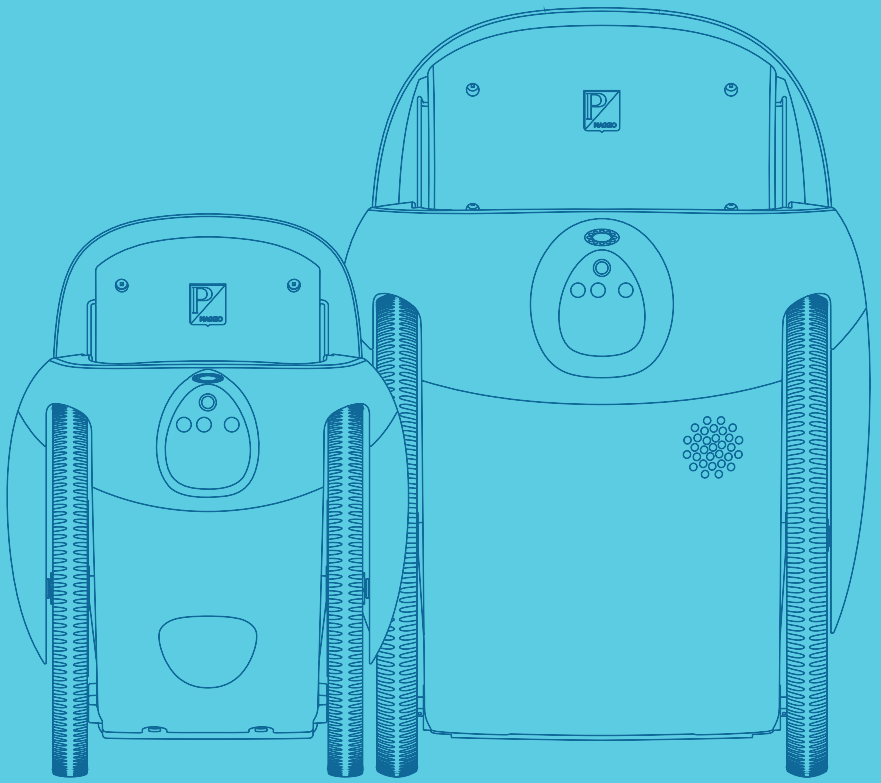
PIAGGIO
FAST
FORWARD®



User manual

Before using your gita robot, be sure to read and understand this user manual, including each of the warnings and safety instructions which appear on the following pages. Failure to do so may result in injury to you or others and/or damage to property. This manual applies to gita*plus* and gita*mini* robots. If you have any questions or concerns you can contact Piaggio Fast Forward Customer Care by phone (800) 791-0843 or on the piaggiofastforward.com website.

Autonomy for Humans®

Piaggio Fast Forward
52 Roland Street
Boston, MA 02129
www.piaggiofastforward.com

Warnings and safety instructions

Failure to heed the below warnings or to follow the safety instructions set forth below, may cause injury to you or someone else or property damage. Always check and obey any applicable laws or regulations which govern or restrict the use of your gita robot. Use gita robot at your own risk, with serious attention to your surroundings and safe operation at all times. Always use common sense.

WARNINGS

- Never allow anyone under 18 years old to use gita robot without continuous adult supervision.
- Never use gita robot to transport children, pets or hazardous cargo.
- Never allow children or pets to play with or sit in the cargo bin, or on top of gita robot, even if gita robot is powered off.
- Never operate gita robot next to cliffs or drop-offs, on steep slopes, or in any other location where it could fall.
- Never operate gita robot on escalators or stairs.
- Never submerge gita robot in water.
- Never set gita robot on fire or use it to transport flammable material.
- Never use gita robot where prohibited by applicable laws or regulations.
- The battery charger is for indoor use only; use in dry locations only.
- Never charge the battery with any charger other than the one supplied with your gita robot.
- Never operate gita robot while under the influence of alcohol, drugs or other controlled substances.
- Never transport gita robot in a car or motor vehicle without properly securing it first.

SAFETY INSTRUCTIONS

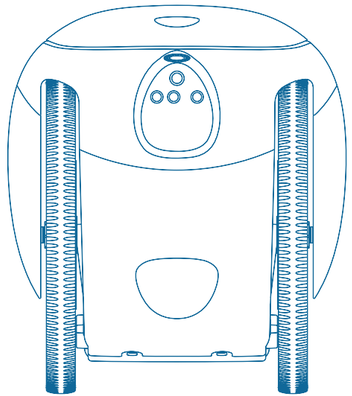
- Be aware of how and where you walk because gita robot will follow you.
- Take special care when entering enclosed spaces like elevators; keep in mind that gita robot has to fit in as well.
- Take special care when entering small spaces that may be crowded or contain fragile goods or materials.
- Take special care when crossing streets; don't forget that gita robot needs to cross safely as well.
- Always keep gita robot safely away from cars and motor vehicle traffic.
- Always be aware of your surroundings, including people around you.
- Be aware that many people have never seen a gita robot and don't know how it works or what it does.
- Be aware that people may not immediately realize that you are operating a gita robot, so employ caution and think ahead.
- Be aware that gita robot is behind you when you walk towards or among people (e.g., on a sidewalk).
- Always turn off gita robot before lifting.

General

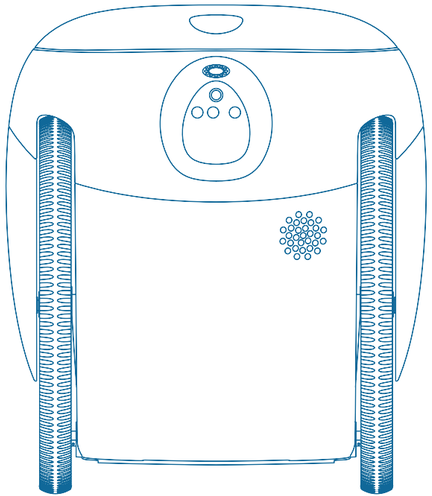
gita robot has been carefully designed and tested to comply with all applicable standards. The design is human-centric and intuitive with a strong focus on safety. gita robot's rounded exterior and its resilient but deformable plastic body make it smooth and safe to be around.

Several cameras and sensors help gita robot safely navigate its environment and stop before any contact with humans or objects. When gita robot loses its leader, it stops and parks. gita robot's control systems limit its top speed and the force applied by its drive motors. The power source inside gita robot meets UN safety standards for operation worldwide.

gita robot contains a Lithium-Ion battery. Do not attempt to service or repair the battery. If damaged, contact Piaggio Fast Forward Customer Care at (800) 791-0843. To preserve natural resources, please recycle or dispose of batteries properly. Local, state or federal laws may prohibit disposal of lithium-ion batteries in ordinary trash. Consult your local waste authority for information regarding available recycling and/or disposal options.



gita*mini*



gita*plus*

Contents

What is gita robot?

gita*mini* and gita*plus* are cargo carrying robots that follow the lead of a human being. They are designed for outdoor and indoor hands-free operation in a wide variety of settings, from cities to offices and homes to suburban communities.

Your interactions with a gita robot happen through one button that changes color, brightness, and pattern as a function of those interactions.

gita robot's wheel lights and sounds communicate its current state. gita*mini*'s cargo bin carries up to 20 pounds; gita*plus*'s cargo bin carries up to 40 pounds. A phone charging port in the bins lets you charge your mobile phone while the robots are powered on. Both bins have a lid that can be locked through the *my*gita® app while the robots are parked.

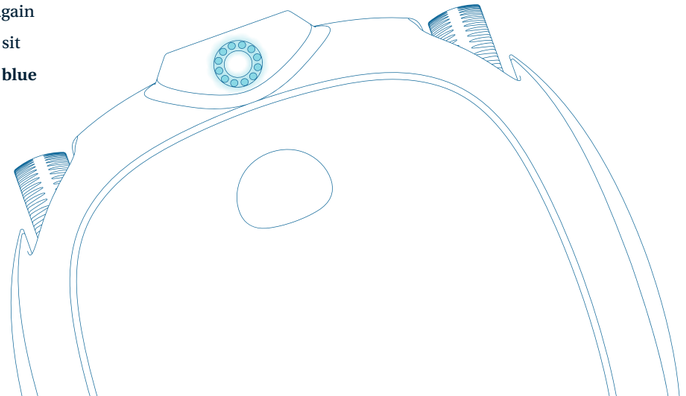
The *my*gita app is available for iOS and Android smartphones. It is required for gita robot's registration and adds advanced functionality: security, information, streaming music, and support.

gita robot uses Wi-Fi to complete software updates and upload performance and diagnostic logs to PFF.

Your first walk with gita robot

After registering your gita robot, all you need for your first walk is the ***Follow*** **button** on the front panel.

1. To get started, touch the ***Follow*** **button**. gita robot will pair with you, stand up, and self-balance. It is now ready to follow. The ***Follow*** **button** will turn ● **light blue** in ***Follow mode***.
2. Turn around and walk away. gita robot will follow you.
3. To end your walk, touch the ***Follow*** **button** again and gita robot will stop following you. It will sit down to park. The ***Follow*** **button** will turn ● **blue** in ***Park mode***.



Lights and sounds of gita robot

gita robot communicates with its user through custom-designed sounds and light patterns.

Color	State
● **Blue**	Park
● **Light blue**	Follow
● **Orange**	30–11% battery Over-the-air (OTA) software update
● **Red**	Error Failed to park 10–5% battery <5% battery (**robot is no longer able to move**)
● **Green**	Charging/charged
● **Pink**	Mute/unmute Stealth/unstealth
● **Purple**	PFF smarts™

gita robot has eleven unique sounds that were specially composed by the Berklee College of Music to be easily heard in a crowd but not intrusive to those around you.

Interacting with gita robot

The *Follow* button changes color, brightness, and pulse to make your interaction with gita robot simple and straightforward. With this button, you switch back and forth between ***Follow mode*** and ***Park mode***.

FOLLOW MODE

Follow mode is gita robot's core functionality. All you have to do is stand in front of gita robot and touch the *Follow* button. gita robot pairs with you, stands up, and follows you as you walk while differentiating you from fellow pedestrians.

Note: To enter Follow mode, the cargo bin has to be unlocked. Locking and unlocking is possible through the mygita app.

gita robot is designed to match your pace, up to 6 miles per hour. It decelerates when you slow down and accelerates when you speed up. All the while, it maintains a dynamic following distance of between 3 feet (at slow walking speeds) and 5 feet (at brisk walking speeds).

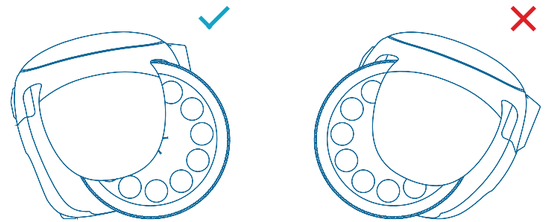
gita robot changes to ***Park mode*** when you end ***Follow mode*** by touching the *Follow* button.

PARK MODE

Park mode is gita robot's resting position. You can enter or exit ***Park mode*** by pressing the *Follow* button.

Should gita robot's stability or safety be compromised, such as on a very uneven surface, it automatically stops moving and switches to ***Park mode***. If it is unsafe to activate ***Park mode***, such as on a steep slope, gita robot may remain balanced and alert the user.

Note: In Park, your robot's wheels should be forward, with Follow button facing up. The weight of your robot should be shifted towards the back where the power button is located.



Correct park position

Incorrect park position

AUTONOMOUS

Under certain circumstances, gita robot switches to ***PFF smarts***™ mode to perform a short autonomous maneuver.

The *my*gita app indicates this temporary mode with lighting and the ***PFF smarts*** sound.

- **Purple** pulsing button and wheel lights indicate that the ***PFF smarts*** mode is active.

The library of available ***PFF smarts*** autonomous maneuvers grows over time and will be implemented through over-the-air (OTA) updates (see *Software Updates* section).

CHARGING

gita robot is battery-powered and requires recharging. The battery can be fully recharged in approximately 2 hours. Please reference specific model specifications for mileage and battery life (see *Specifications* section). We recommend that you plan your journeys accordingly.

gita robot communicates its current charge status through the charge indicator in the *my*gita app as well as its lighting. See table below for lighting colors and patterns for specific states.

To charge gita robot, plug the charging cable into the charging port on the back of the robot and the power plug into a regular 3-prong wall outlet. The charging port is underneath the power button. gita robot enters a stable ***Park mode*** position while charging. While the charging cable is plugged in, it is not possible to exit the ***Park mode***. Power on and charge gita robot at least once a month to ensure the battery's health.

The *my*gita app provides you with a detailed indication of the battery's status during the charge process.

Color	State	Pattern
● **Orange**	30–11% battery	Solid
● **Red**	10–5% battery <5% battery (**robot is no longer able to move**)	Fast pulsing Fast pulsing
● **Green**	Charging Charged	Slow pulsing Solid

SOFTWARE UPDATES

We are continually improving gita robot's software development in order to make your experience as enjoyable and seamless as possible. When we develop new features, we release software updates over-the-air (OTA) through the *my*gita app.

It's important that you install these updates as they will improve the operation and functionality of your gita robot.

Before updating, you will need to make sure that:

- gita robot's battery is above 50%.
- gita robot is plugged in and powered on at all times during the update.
- gita robot is connected to a stable Wi-Fi network with Internet access.

Once the update is complete, gita robot will restart and go back to its default state.

Color	State	Pattern
● **Orange**	Over-the-air (OTA) software update	Slow pulsing

POWER ON AND OFF

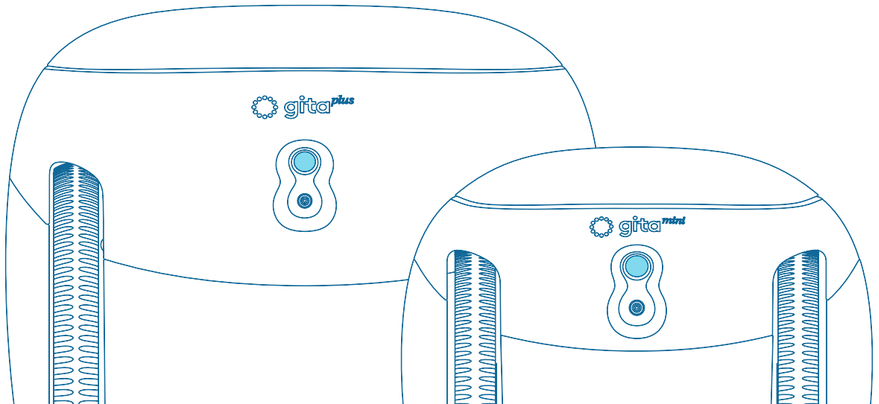
Automatic power off:

- When parked, gita robot powers off automatically after 30 minutes.
- When parked and locked, gita robot does not power off automatically.

Note: If gita robot is streaming music while it's parked, it powers off automatically after 2 hours.

Should circumstances require you to power gita robot off manually, press and hold the ***Power* button** and release it after 3 seconds to properly shut down all of gita robot's systems. To power on, briefly press and release the ***Power* button**. Wait 20–30 seconds between powering off and powering on your gita robot.

Note: In order to power off gita robot, the cargo bin has to be unlocked. If gita robot powers off due to low battery, the lock will disengage.



CARGO BIN

Your gita robot has a cargo bin equipped with a lid (see *Specifications* section for respective model capacity). The lid can be locked through the *my*gita mobile app.

gita robot can be operated with the lid open or closed. For best results, heavier items should be loaded near the bottom of the bin.

WARNING: Never transport children, pets, or hazardous cargo in the cargo bin.

PHONE CHARGING

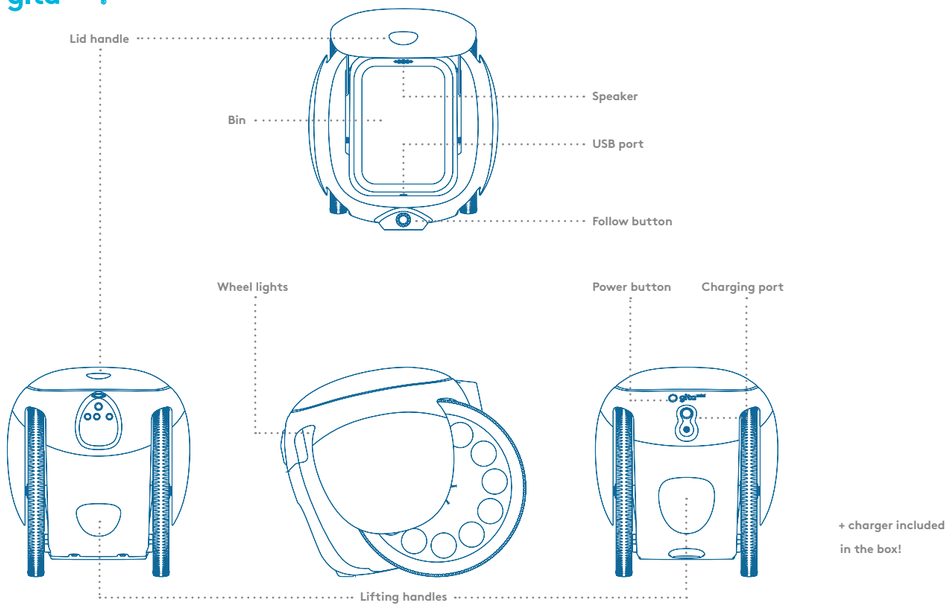
A charging port in the cargo bin lets you charge your mobile phone and other small electronic devices.

STREAMING

The *my*gita app allows you to stream music from your smartphone to your robot's speaker via Bluetooth® wireless technology. The sound volume is controlled by your phone.

Components

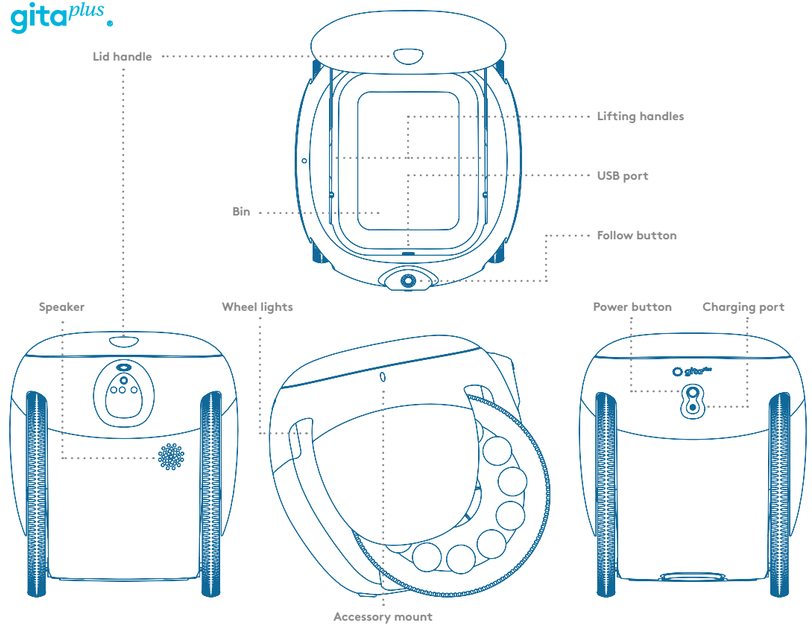
gita *mini*.



+ charger included
in the box!

Components

gita *plus*.



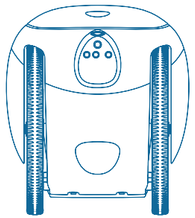
+ charger included
in the box!

Specifications

gita*mini*

Model	gita*mini*
Dimensions L x W x H	18 x 17 x 19 in (455 x 420 x 482 mm)
Bin dimensions L x W x H	9 x 12 x 10 in (230 x 304 x 250 mm)
Cargo space	1000 in³ (16387 cm³)
Payload	20 lb (9 kg)
Weight	28 lb (13 kg)
Top speed	6 mph (9 kmh)
Operating temperature	10–110 °F (-12–43 °C)
Battery technology	Lithium-Ion
Estimated run time	up to 22 mi/7 h (up to 35 km/7 h)
Charge time	approximately 2 h
Battery charger	100–240V/2.5A/200W
Charging temperature	40–115 °F (4–46 °C)
Phone charging port	5V/2A
Wi-Fi	2.4/5 GHZ
Bluetooth® wireless technology	Class 1

Note: Run time, travel distance and charging time may vary depending on usage and environment.

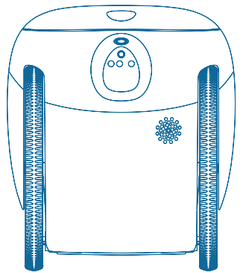


Specifications

gita*plus*

Model	gita*plus*
Dimensions L x W x H	25 x 22 x 26 in (635 x 560 x 655 mm)
Bin dimensions L x W x H	17 x 14 x 15 in (440 x 350 x 380 mm)
Cargo space	4000 in³ (65548 cm³)
Payload	40 lb (18 kg)
Weight	50 lb (23 kg)
Top speed	6 mph (9 kmh)
Operating temperature	10–110 °F (-12–43 °C)
Battery technology	Lithium-Ion
Estimated run time	up to 15 mi/5 h (up to 24 km/5 h)
Charge time	approximately 2 h
Battery charger	100–240V/2.5A/200W
Charging temperature	40–115 °F (4–46 °C)
Phone charging port	5V/2A
Wi-Fi	2.4/5 GHZ
Bluetooth® wireless technology	Class 1

Note: Run time, travel distance and charging time may vary depending on usage and environment.

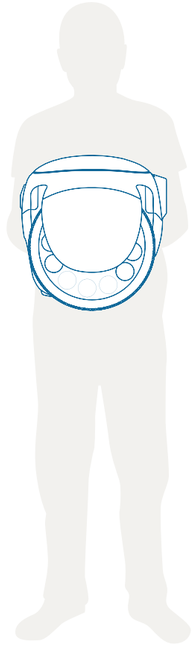


Lifting

gita*mini*.

gita*mini* robot weighs approximately 28 pounds. It has been designed with carrying in mind and can be lifted and carried by one person. First, power off gita*mini* robot, then use the hand holds at the front and back to lift it; if you do not properly use the hand holds, you run the risk of injuring yourself and damaging your gita*mini* robot.

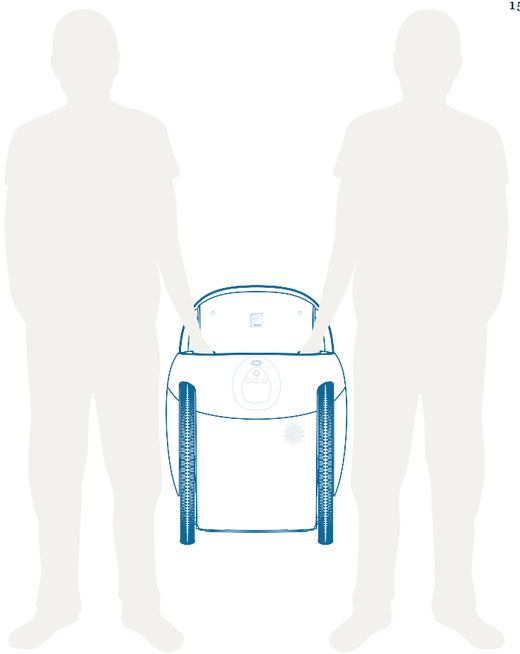
WARNING: Do not lift gitamini robot by the side flaps that cover its wheels or from the wheel wells; if you do so, you run the risk of injuring yourself and of seriously damaging your gitamini robot. Damage caused by improper lifting is not covered by your gitamini robot warranty, so please use proper lifting procedures.



gita*plus*.

gita*plus* robot weighs approximately 50 pounds. It can be lifted and carried by two people. First, power off gita*plus* robot, then use the hand holds inside the bin to lift it; if you do not properly use the hand holds, you run the risk of injuring yourself and damaging your gita*plus* robot.

WARNING: Do not lift gitaplus robot by the side flaps that cover its wheels or from the wheel wells; if you do so, you run the risk of injuring yourself and of seriously damaging your gitaplus robot. Damage caused by improper lifting is not covered by your gitaplus robot warranty, so please use proper lifting procedures.



Transporting

Occasionally you may need to move your gita robot around a difficult obstacle or into a tight parking place. In order to do so, always place gita robot in ***Park mode*** so that you can freely push and pull gita robot without the motors being engaged. **In *Follow mode*, gita robot's motors will be active and will resist your efforts. Remember that gita robot won't self balance while in Park mode, so you have to do the balancing yourself.**

To transport gita robot in a motor vehicle, first confirm that it is powered off, then employ the lifting procedure described previously (see *Lifting* section). Once properly positioned in a seat or your vehicle's trunk or cargo bay, secure gita robot firmly in place.

If you do not properly secure gita robot, you run the risk of damaging the robot as well as your motor vehicle. Damage caused by the failure to secure gita robot is not covered by your warranty.

Maintenance and service

We recommend that you wipe gita robot clean regularly, particularly the base which tends to accumulate dirt during walks. For the body, bin, and lid, a clean damp cloth works well.

The lenses are sensitive components and keeping them clean is essential. Always use the provided lens cleaning kit, never alcohol-based or abrasive cleaners.

Don't leave gita robot outdoors in the rain or exposed to extreme temperatures. Although gita robot operates in temperatures from 10°F to 110°F, exposure to extreme heat or cold can affect the plastic components and the battery's performance.

Ensure you don't cover the lenses or sensor area. Blocking cameras with tape or other materials results in poor robot performance.

Power on and charge gita robot at least once a month to ensure the battery's health.

Should you encounter a problem, you can find additional documentation, detailed FAQs, and troubleshooting information online at ***support.mygita.com***. You can also directly contact Customer care.

Most issues can be fixed over the phone or through a software update. Should this still not resolve your issue, our team will decide on next steps. For details please review the Piaggio Fast Forward Terms of Sale online at ***piaggiofastforward.com/termsofsale***.

gita robot improvements and bug fixes are delivered through over-the-air (OTA) updates. Use the mobile app to check for and install updates.

Warranty and support

From the date of delivery, your gita robot has a 12-month or 1000-miles-traveled warranty, whichever comes first. For details please see the Piaggio Fast Forward Terms of Sale online at *piaggiofastforward.com/termsofsale*.

In the case of a problem, the *my*gita app allows the Customer Care team to diagnose and potentially resolve most issues remotely. Without the *my*gita app, remote diagnostics are not possible and you may have to ship gita robot to our support center at your expense. If upon receipt the Customer Care team finds that the problem could have been resolved remotely, you will be charged for the exchange and return shipment. In all other circumstances, so long as your gita robot is still within its 12-month or 1000-miles-traveled warranty (whichever comes first), Piaggio Fast Forward will cover all shipping expenses.

Note: The miles-traveled information can be found on the robot information screen of the mygita app.

How to reach Customer Care:
(800) 791-0843
support@piaggiofastforward.com

Where to find additional documentation, FAQs, and troubleshooting information:
knowledge.piaggiofastforward.com

WARNING: Opening, modifying, or tampering with gita robot voids the warranty.

Copyright

Data privacy

Your privacy is important to us. Please visit *piaggiofastforward.com/privacy* to learn how we collect, use, disclose, transfer, and store information you share with us.

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USER MANUAL

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