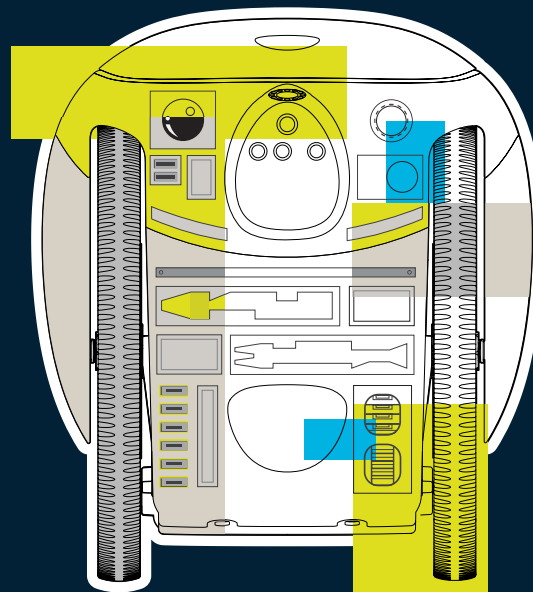


**STAR
WARS**

PIAGGIO
FAST
FORWARD™
gita^{mini}

G1TA-M1N1

User manual



Before using your gitamini 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 gitamini robot. 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.

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Autonomy for Humans™

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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 *gitamini* robot. Use *gitamini* robot at your own risk and with serious attention to your surroundings and to safe operation at all times. Always use common sense.

WARNINGS

- Never allow anyone under 18 years old to use *gitamini* robot without continuous adult supervision.
- Never use *gitamini* robot to transport children, pets or hazardous cargo.
- Never allow children or pets to play with or sit in the cargo bin or on *gitamini* robot, even if *gitamini* robot is not being used.
- Never operate *gitamini* robot next to cliffs or drop-offs, on steep slopes, or in any other location where it could fall.
- Never operate *gitamini* robot on escalators or stairs.
- Never submerge *gitamini* robot in water.
- Never set *gitamini* robot on fire or use it to transport flammable material.
- Never use *gitamini* 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 *gitamini* robot.
- Never operate *gitamini* robot while under the influence of alcohol, drugs or other controlled substances.
- Never transport *gitamini* robot without properly securing it first.

SAFETY

- Be aware of how and where you walk because *gitamini* robot will try to follow you.
- Take special care when entering enclosed spaces like elevators; keep in mind that *gitamini* 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 *gitamini* robot needs to cross safely as well.
- Always keep *gitamini* 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 *gitamini* 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 *gitamini* robot, so employ caution and think ahead.
- Be aware that *gitamini* robot is behind you when you walk towards or among people (e.g., on a sidewalk).
- Always turn off *gitamini* robot before lifting.

General

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

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

gitamini 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. Please dispose of *gitamini* robot properly and in accordance with all local regulations.

If you need instructions regarding proper disposal please contact Piaggio Fast Forward [Customer care](#) at (800) 791-0843.

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What is *gitamini* robot?

gitamini is a robot that follows the lead of a human being. It is 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 *gitamini* robot happen through one button that changes its color, brightness, and pattern as a function of those interactions.

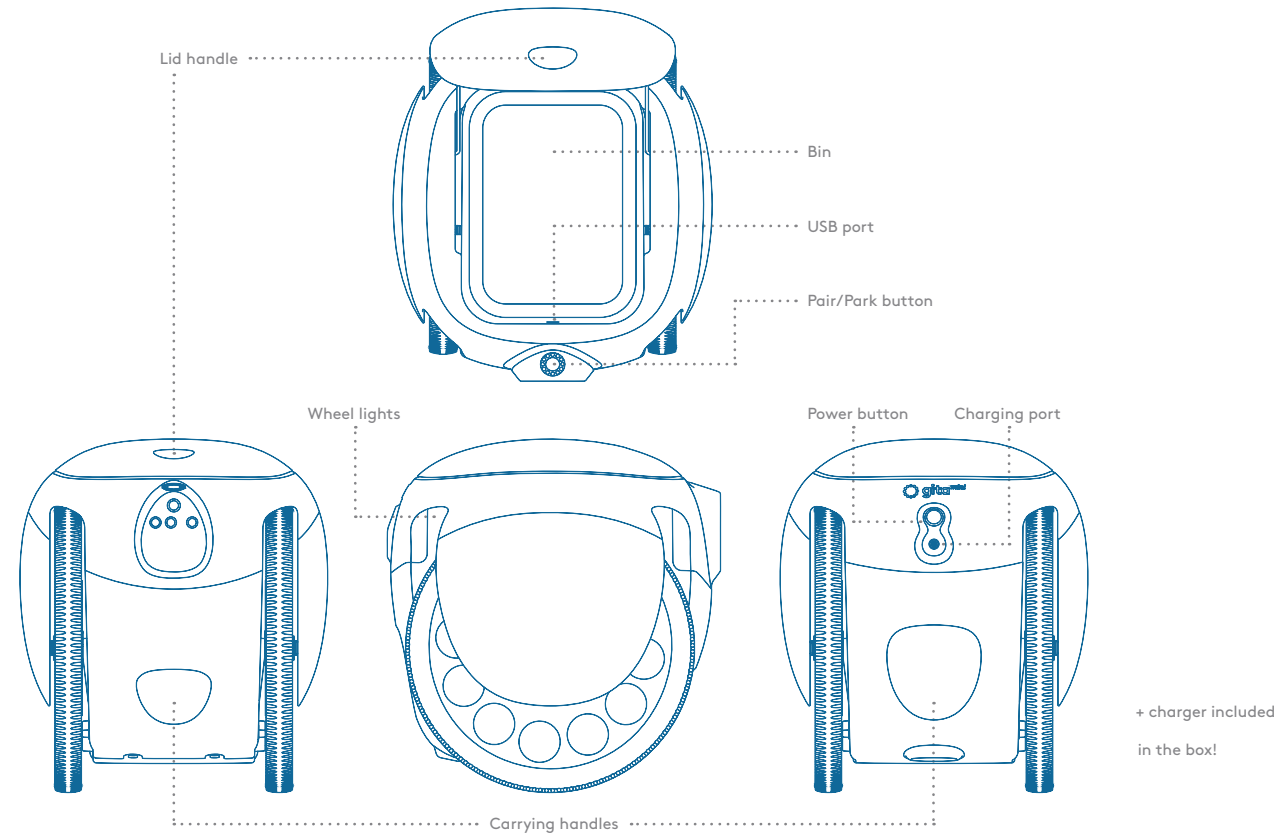
The wheel lights and sounds communicate the current state.

The cargo bin carries up to 20 pounds and has a lid that can be locked through the *mygita*™ app while *gitamini* robot is parked. A phone charging port in its bin lets you charge your mobile phone while *gitamini* robot is powered on.

The *mygita* app is available for iOS and Android smartphones. It is required for *gitamini* robot's operation and adds advanced functionality: security, information, and support.

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

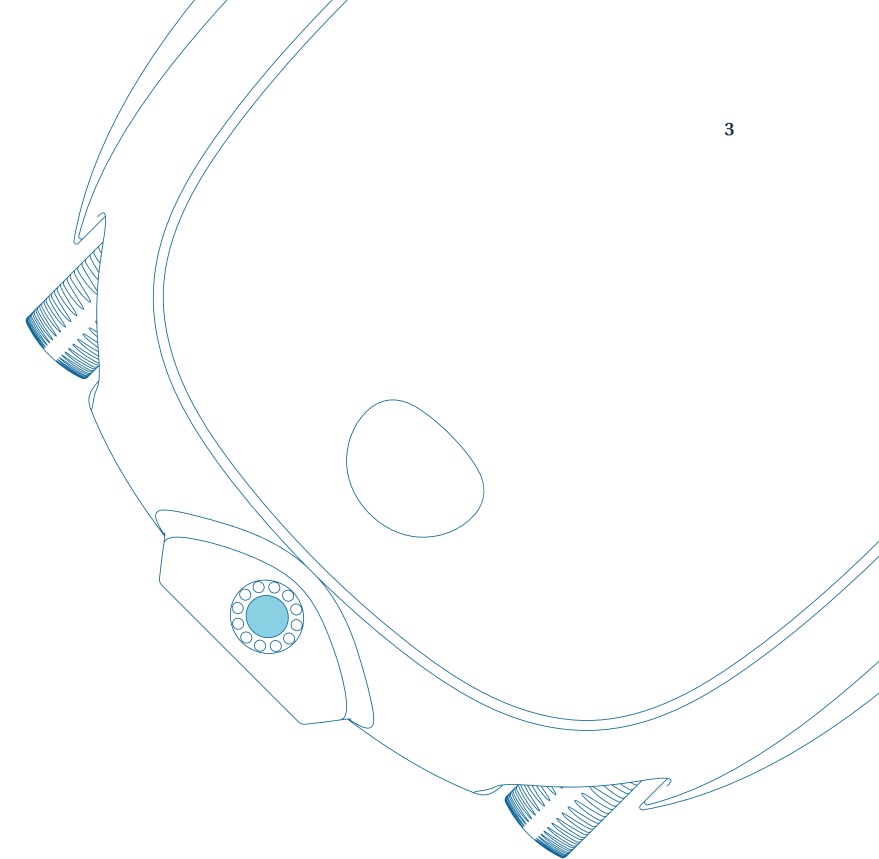
gitamini robot components



Your first walk with gitamini robot

All you need for your first walk with gitamini robot is the **Pair/Park button** on the front panel.

1. To get started, touch the **Pair/Park button**. gitamini robot will pair with you, stand up, and self-balance. It is ready to follow.
2. Turn around and walk away. gitamini robot will follow you.
3. To end your walk touch the **Pair/Park button** again and gitamini robot will stop following you. It will sit down to park.



Interacting with gitamini robot

The *Pair/Park* button changes color, brightness, and pulse to make your interaction with gitamini robot simple and straightforward. With this button you switch back and forth between the two modes *Park* and *Follow*.

PARK

Park is gitamini robot's resting position. You can enter or exit *Park* by pressing the *Pair/Park* button.

Should gitamini robot's stability or safety be compromised, as on a steep surface, it automatically stops moving and switches to *Park*.

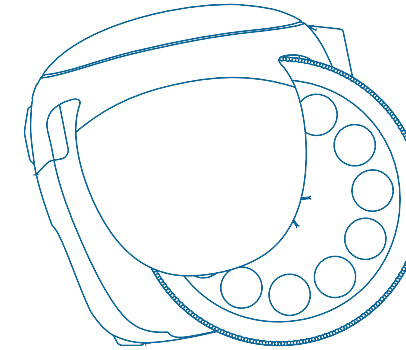
FOLLOW

Follow is gitamini robot's core functionality. All you have to do is stand in front of gitamini robot and touch the *Pair/Park* button. gitamini robot pairs with you, stands up, and follows you as you walk while differentiating you from fellow pedestrians. gitamini robot is designed to match your pace up to the speed of 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).

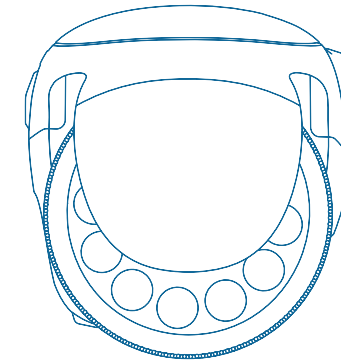
gitamini robot changes to *Park* when you end *Follow* mode by touching the *Pair/Park* button.

Note: To enter Follow mode the cargo bin has to be unlocked.

Locking and unlocking is possible through the mygita app.



Park mode



Follow mode

AUTONOMOUS

Under certain circumstances gitamini robot switches to *gitasmarts* mode to perform a short autonomous maneuver.

The *mygita* app indicates this temporary mode, with lighting, and the *gitasmarts*[™] sound. **Purple** pulsing buttons and wheel lights indicate that the *gitasmarts* mode is active.

The library of available *gitasmarts* autonomous maneuvers grows over time and will be implemented through over-the-air (OTA) updates.

Find details about gitasmarts at:

<https://knowledge.piaggiofastforward.com/gitasmarts>

CHARGING

gitamini robot is battery-powered and requires recharging. Under normal operating conditions the battery supports an estimated 7 hours of continuous walking for up to 21 miles and can be recharged in approximately 2 hours. We recommend that you plan your journeys accordingly.

gitamini robot communicates its current charge status through the charge indicator in the mygita app and its wheel lighting:

- When the battery level is below 50% the wheel lighting changes from **light blue** to **orange**.
- When the battery level is below 10% the wheel lighting and the buttons flash **orange** accompanied by an error sound.
- **When the battery level drops below 5% gitamini robot is no longer able to move.** The buttons and the wheel lighting turn **red**, it enters **Park** mode, and powers off. It can be used again when it has been recharged.

To charge gitamini robot, plug the charging cable into the charging port at the back and the power plug into a regular 3-prong wall outlet. The charging port is underneath the power button. gitamini robot enters a stable **Park** position while charging. While the charging cable is plugged in it is not possible to exit the **Park** mode.

While the battery is being charged, the **Pair/Park** button pulses green; it changes to solid green once the battery has been fully charged.

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

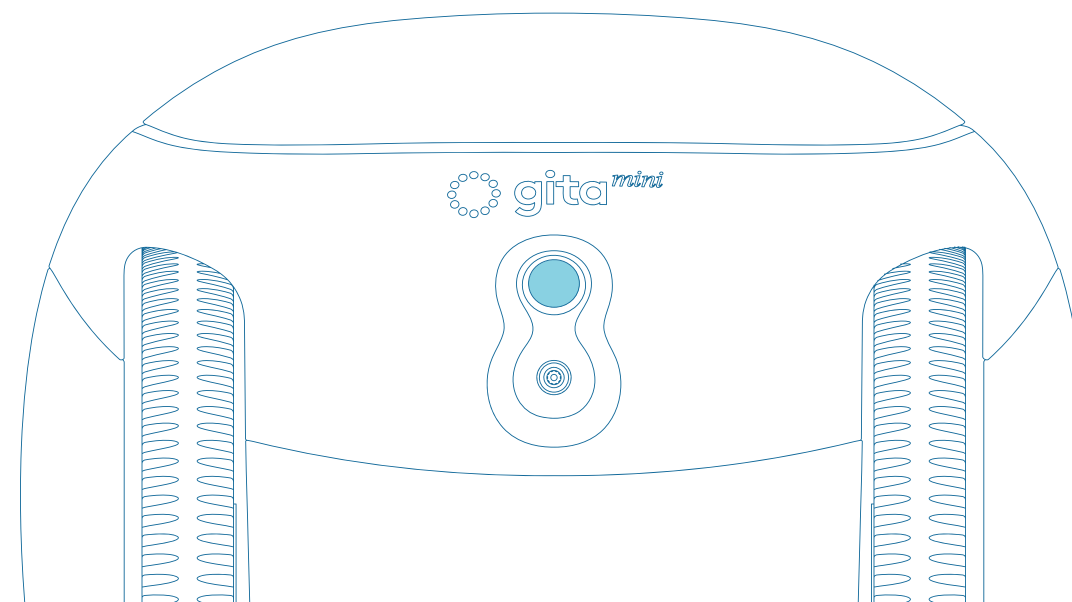
POWER ON AND OFF

Automatic power off:

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

Should circumstances require you to power gitamini robot off manually, press and hold the **Power button** and release it after 3 seconds to properly shut down all of gitamini robot's systems. To power on, briefly press and release the **Power button**. Wait 10-20 seconds between powering off and powering on your gitamini robot.

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



CARGO BIN

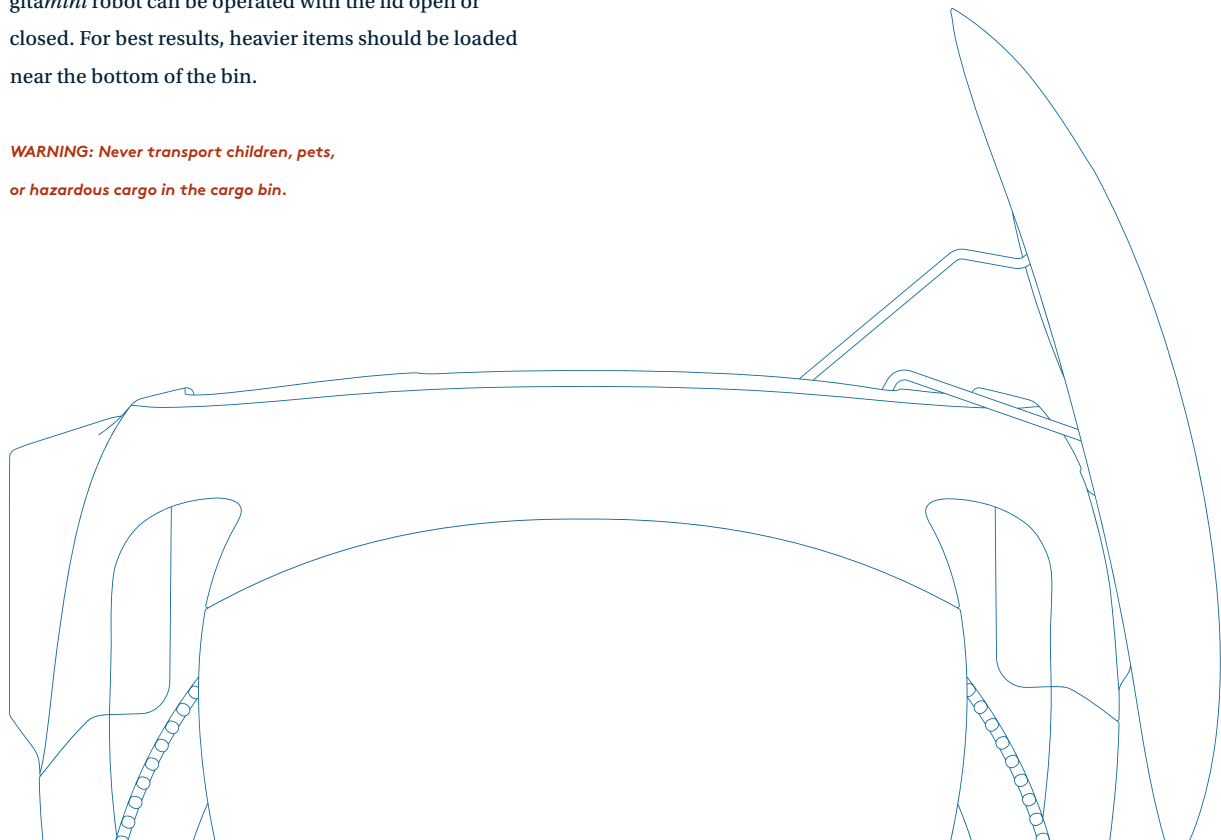
Your *gitamini* robot has a cargo bin equipped with a lid and can accommodate up to 20 pounds. The lid can be locked through the *mygita* mobile app.

gitamini 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.



Transporting *gitamini* robot

Occasionally you may need to move your *gitamini* robot around a difficult obstacle or into a tight parking place. In order to do so, always place *gitamini* robot in **Park** so that you can freely push and pull *gitamini* robot without the motors being engaged.

(In **Follow** mode *gitamini* robot's motors will be active and will resist your efforts.)

Remember that *gitamini* robot won't self balance while in **Park** mode, so you have to do the balancing yourself.

LIFTING

gitamini 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 *gitamini* robot, then use the hand holds at the front and back to lift it; if you do not, you run the risk of injuring yourself and damaging your *gitamini* 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.*

TRANSPORTING

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

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

Maintenance and service

It is important to care for your *gitamini* robot properly to ensure it functions at its best. Here's how to maintain your *gitamini* robot.

We recommend that you wipe *gitamini* 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 *gitamini* robot outdoors in the rain or exposed to extreme temperatures. Although *gitamini* 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.

Charge *gitamini* robot at least once a month to ensure the battery's health. The battery pack makes sure that the battery is being charged to just the right level.

Should you encounter a problem, you can find additional documentation, detailed FAQs, and troubleshooting information online at support.piaggiofastforward.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.

gitamini 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 *gitamini* 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 *mygita* app allows the [Customer care](#) team to diagnose and potentially resolve most issues from off site. Without the *mygita* app, remote diagnostics are not possible and you may have to ship *gitamini* 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 *gitamini* 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 *gitamini* robot information screen of the *mygita* app.*

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

How to reach Customer care:

(800) 791-0843
support@piaggiofastforward.com

Where to find additional documentation, FAQs, and Troubleshooting information:

knowledge.piaggiofastforward.com

Specifications

Dimensions L x W x H	17.9 in x 16.5 in x 18.9 in
Cargo space	1000 in ³
Payload	20 lb
Weight	28 lb
Top speed	6 mph
Operating temperature	10–110 °F
Battery technology	Lithium-Ion
Estimated run time	up to 21 miles
Charge time	approximately 2 hours
Battery charger	100–240 volt 2.5 amp 200 watt
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.

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FREE AND OPEN SOURCE SOFTWARE

Information on free and open source software licenses for your gitamini robot's software can be found at piaggiofastforward.com/opensource.

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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