



**TP-261-000**

# **Remote Control Gas Mower**

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Revised May 26, 2021

# SAFETY GUIDE

Thank you for purchasing this product!



**WARNING** - Before using, read this guide to ensure correct usage and operation. After reading, store in a safe place for future reference. Incorrect handling of this robot could result in personal injury or physical damage. The manufacturer assumes no responsibility for any damage caused by mishandling that is beyond normal usage defined in these manuals of this product.

- NOTE** - The information in this manual is subject to change without notice.
- The manufacturer assumes no responsibility for any errors that may appear in this manual.
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This symbol indicates an additional warning (including caution).



This symbol indicates a prohibited action. The content will be clearly indicated in an illustration or nearby.

## Safety Precautions



### **Do not operate the robot if it isn't working properly.**

If you notice something unusual when operating the robot, immediately stop and turn the unit off. Contact our technicians at [info@sdrobots.com](mailto:info@sdrobots.com) and explain the issue. This includes smoke, strange odor, damage to the chassis or components etc.



### **Be careful when operating around children and animals**

Children and animals may not understand that the robot has moving parts. Exercise caution when operating the robot and remain aware of your surroundings.



### **Do not expose interior to liquid or insert foreign objects**

- Do not place the robot near water while interior is exposed (ex. flooded area, bathroom etc.).
- Do not insert any foreign objects into the robot.
- Avoid placing the robot into a container/bag/case that contains objects besides it's own components.



### **Be careful when interacting with internal components of the robot.**

The robot contains moving and electric components. Modification and/or disassembly of the robot could result in personal injury. **ALWAYS** disconnect the power before working on the robot.



### **Do not drop, throw, or otherwise cause an impact to the robot**

The robot contains moving components, wiring, and electrical systems. If the robot is dropped or otherwise receives an impact, internal components could be damaged. If the robot is dropped or otherwise falls and is damaged, turn it off immediately.



### **Pinching hazard**

The drive systems have very powerful motors. There are many pinch points! If fingers or hands are inside the drive section while on, injury may occur.

## LEGAL INFORMATION

Accurate content is of important to the authors of this document. If you find an error or an item that needs clarification report it to [www.superdroidrobots.com](http://www.superdroidrobots.com)

- SuperDroid Robots, Inc is not responsible for special incidental, or consequential damages resulting from any warranty or under any legal theory, including, but not limited to lost profits, downtime, goodwill, damage to, or replacement equipment or property, or any cost of recovering, reprogramming, or reproducing any data stored. **ANY LIABILITY SHALL BE LIMITED TO REPLACEMENT OF DEFECTIVE PARTS.** SuperDroid Robots, Inc. is further not responsible for any personal damages, including, but not limited to bodily and health damages resulting from any use of our products.
- SuperDroid Robots, Inc. makes no representations as to the fitness of its products for specific uses. **ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS HEREBY EXCLUDED.**
- Agreements shall be construed in accordance with the laws of the State of North Carolina, and the rights and obligations created hereby shall be governed by the laws of North Carolina.
- In the event a dispute or controversy arises, such dispute or controversy (including claims of default) shall be brought in the courts of Wake County, North Carolina and the plaintiff hereby agrees to this choice of venue.

*The following section contains a list of non-warrantable items. Any procedure covered in this section will void the coverage warranty of the robot, or robots, you have purchased.*

- Removal of the lid, or access to the interior of the robot is considered abuse and neglect and as such will void warranty; Unless otherwise instructed by SuperDroid Robots.*
- Using the robot for purposes that it is not intended, or in any situation that could cause damage outside of the normal wear and tear of the robot, will not be covered under warranty and be seen as neglect of the robot system.*
- Improper maintenance and overall disregard to the upkeep of the robot can harm, and/or cause severe damage to the robot, leading to malfunctions and/or destruction of the functionality of the robot.*
- Located throughout the entirety of this document are other warranty voidable perimeters displayed by RED text Any of which will again cause an immediate void of the warranty and disqualify repairs of the robot.*

### **NOTE**

**Ensure all ordered items are in package. While performing first-time setup place robot in a clear space.**

SuperDroid Robots Inc. is incorporated in Wake County, NC USA  
 SuperDroid Robots also does business as Team Half-Life  
 SuperDroid Robots is a registered trademark of Team Half-Life.  
 Prior to purchasing review our Terms (<https://www.superdroidrobots.com/terms.htm>)

## Unpacking and Activation

Your robot may come in a crate or carry case. As you unpack your robot, take note of how everything fits so you may safely store your system for future use.

1. Check that all your ordered items are included in the package.
2. Place the robot on a level surface or on blocks so that the tracks/wheels can rotate freely.

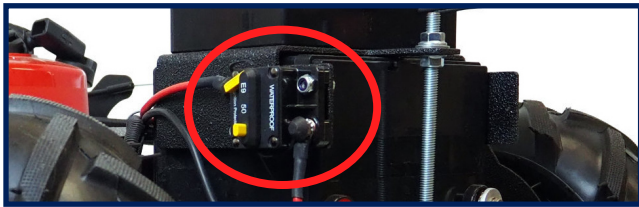


**WARNING** - Do not move joysticks while the controller is binding. This can cause unintended movements and lead to injury or damage to the robot and its surroundings. **WAIT AT LEAST 3 SECONDS.**

3. Turn on your FLYSKY controller. To do this, flip the power switch at the bottom right of the controller.
4. The robot has a power switch on the rear of the chassis. Turn on the robot by closing the yellow switch. Turn off by pressing the yellow button on top of the switch. Do not leave the robot on indefinitely as a dead battery can potentially cause damage.
5. Before placing the robot on the ground, read through the Operations section and test the controls to make sure the robot moves as anticipated.

### NOTE

Set all switches to the UP position, and the left joystick to the DOWN position.



ROBOT POWER SWITCH



FLYSKY POWER SWITCH

## Operation



**LEFT JOYSTICK** - Controls the emergency fail-safe switch.

**RIGHT JOYSTICK** - Robot Drive: This joystick is used to drive the robot forwards/backwards and turn left/right.

## Charging the Robot

### NOTE

Never charge batteries unattended. Regularly charge batteries to prevent levels from dropping below point of recovery.

<https://www.superdroidrobots.com/shop/custom.aspx/battery-terms/61/>

## SECTION 2 - EMERGENCY CUTOFF

This assembly serves as a remote cutoff and fail-safe for gas powered mowers.

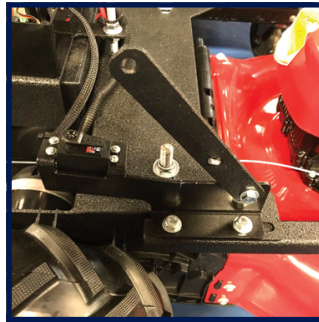
The servo/lever bracket is placed first. The lever arm is bolted to the bracket and the end of the cable is inserted into the arm. The joint should allow the arm to move, but not swing freely. The servo is placed so that it can rotate and lock over the lever arm when it is pressed into place. The lever arm is rotated to a 45° angle to the chassis for the positioning of the support bracket.

The support bracket is placed so the cable is taught when the lever arm is at its initial 45° angle.

The servo should firmly hold the lever arm in its closed position.

When the servo is in the open position the lever arm is raised up and the engine is off. When the lever arm is pressed into place and the servo is moved to the closed position the engine can be started.

If the fail-safe is set so the default position is open, the engine will automatically cut off in the case the remote control disconnects.



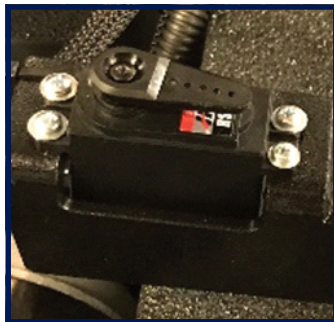
Fail-safe Lever



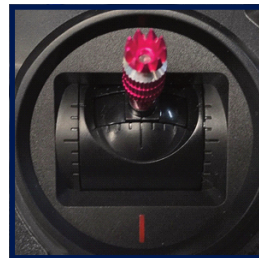
Lever locked into 'On' Position



Servo 'Open'



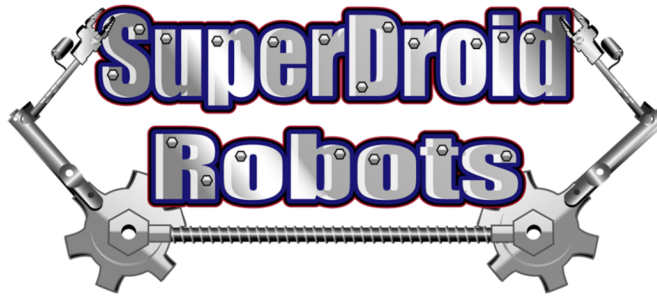
Servo 'Open' (engine off)



Servo 'Closed'



Servo 'Closed' (engine can start)



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