

**DIMENSIONS**  
40" x 26" x 18.5"



**WEIGHT**  
190 lbs



**SPEED**  
5 mph



**PAYLOAD**  
250 lbs



**GEAR MOTORS**  
120 RPM

# HK1000-DM4-E, 4WD All Terrain Enclosed Robot Platform

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## Assembly and Operation

*Images shown may not be an exact representation of the robot's features listed in this document*



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## Safety

**The HK1000 is a large robot with a lot of power. To avoid injury to yourself, other people, property, or the robot, the following should be read and understood before operation.**

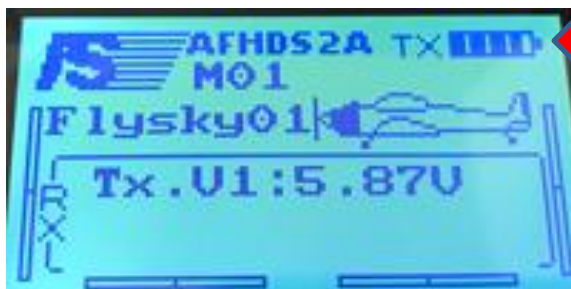
- **Before first use or until you are comfortable using the robot:** Elevate the robot on chocks or boards so that the wheels are not touching the ground and power on the robot. Spin the wheels to make sure you are familiar and comfortable with the operation.
- **Whenever a modification to the robot, or the motor controller has been made:** Elevate the robot on chocks or boards so that the wheels are not touching the ground. Turn on the robot and test the functionality before driving on the ground.
- Whenever you turn on the robot and remote, you must wait for the remote to pair to the robot. Premature stick movement will move the robot, but also set the zero point of the robot and it will not stop moving until the robot is turned off and on again.
- Unplugging or tampering with the encoder wires while the robot is moving will result in one or all the wheels to drive at a high rate of speed until the encoder wire is plugged back in, or the robot is turned off.
- This is a large and powerful robot and should only be operated by a competent and careful individual who has read and understands this manual.

## Robot Operation

1. Turn on the robot by locating the power switch on the back right hand side of the robot and flipping the switch to the on position.



2. Turn on the remote and wait for the "Rx" icon in the top right corner of the screen to appear.  
**NOTE: Driving the robot before the "Rx" icon has appeared will confuse the robot and make it think that the position of the stick is the zero point of the robot and it will continuously move in that direction until powered off and on again.**



3. Use the right thumbstick on the remote to control the robot.
4. When done using the robot, first turn off the controller, and then turn off the robot using the switch on the side of the robot.

## Charging

The charging ports for the robot are located on the front right side of the robot (Same side as the power switch). Charge using the two provided battery chargers.

**Never Charge Batteries Unattended**



1. Plug the provided chargers into a 110VAC Outlet.
2. Plug both chargers into the charging port on the side of the robot. Each battery should be plugged in when charging the robot. The light on the charger will turn red.
3. Once the robot charger lights turn green again, it is safe to unplug the charger.
4. For best operation, charge the robot after each use.
5. If the robot has not been used in more than one-month, charge periodically to ensure the batteries do not drain to low and become damaged.
6. Do not store the robot for long periods of time on a low charge as the batteries could drop below a recoverable voltage.

## General Terms

- I. 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.
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- III. 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.
- IV. 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.