

**CAUTION-ELECTRICALLY OPERATED PRODUCT:**  
NOT RECOMMENDED FOR CHILDREN UNDER 8 YEARS OF AGE  
AS WITH ALL ELECTRIC PRODUCTS, PRECAUTIONS SHOULD BE  
OBSERVED DURING HANDLING AND USE TO PREVENT ELECTRIC  
SHOCK. INPUT: 120V AC 60Hz 8W. OUTPUT: 13V DC 440mA.



## **OWNER'S MANUAL**

*Please read and understand all precautions prior to use.*

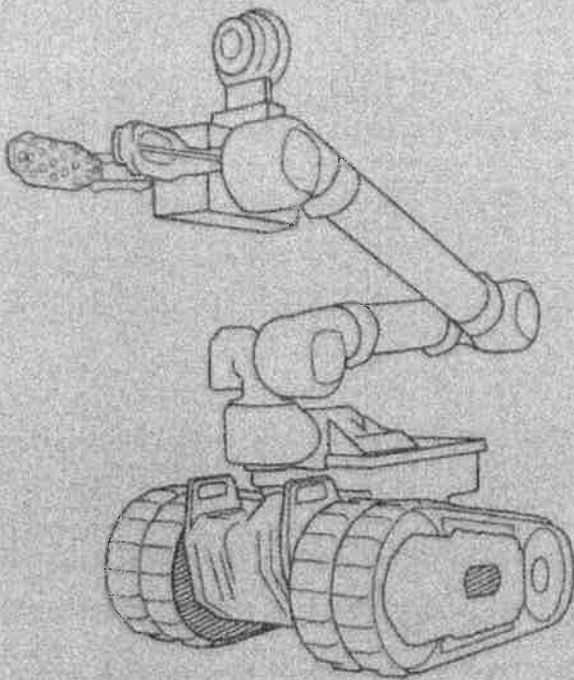
Model / Modèle: GF3710HA (Remote), GF3710A (IROBOT)

**Thank you for choosing a premium New Bright product.**

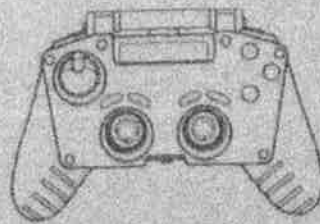
L865106882/JN049-14

# CONTENTS

## Component Checklist



(1) Robot



(1) Transmitter



(2) "AA" Batteries



(1) Battery Charger



(1) 12.8V Battery Pack

## CAUTION!

Do not recharge Battery Pack if it is hot or warm to the touch. Allow Battery Pack to cool before recharging. Recharging a hot or warm Battery Pack will shorten the life of the Pack.

Do not recharge a Battery Pack if it appears to be damaged or leaking.

Always unplug Charger when not in use.

Always remove Battery Pack from Battery Compartment when not in use.

Do not dispose batteries in fire. Leakage, explosion and personal injury may occur.

Dispose of Lithium Ion Battery Pack properly.

Do not attempt to disassemble Battery Pack or Charger.

Do not use Battery Charger for any use other than instructed in this booklet.

Only an adult should charge Batteries.

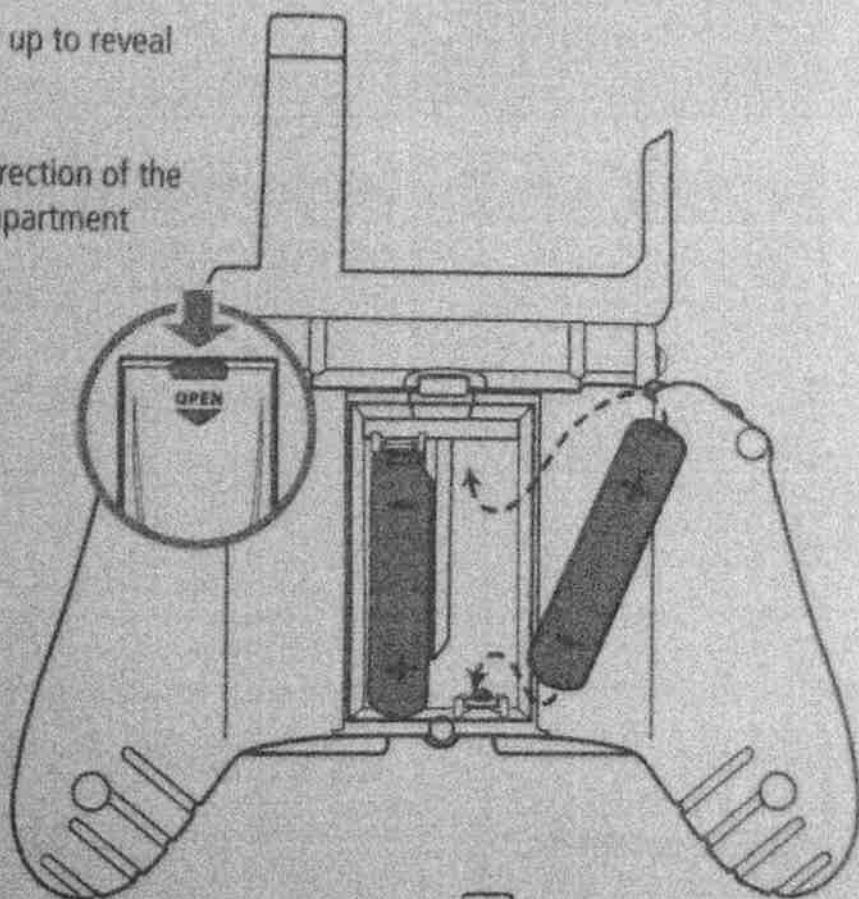
Do not attempt jumps or tricks with this vehicle.

DUCT:  
OF AGE.  
OULD BE  
LECTRIC  
700mA.

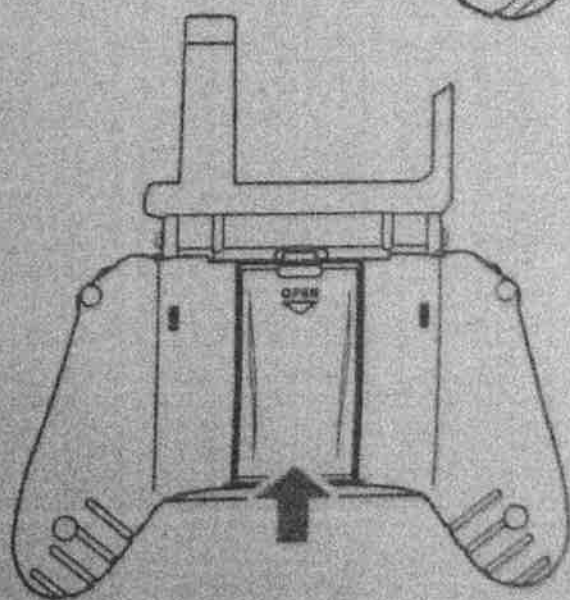
# TRANSMITTER

## Battery Installation

1. Flip smart phone holder up to reveal battery compartment.
2. Press and slide in the direction of the arrow open battery compartment cover.



3. Insert 2 "AA" size batteries. Make sure the positive (+) and negative (-) markings on the batteries match the markings inside the Battery Compartment.
4. Replace the Battery Compartment Cover making certain that the Compartment tab has "snapped" into the locked position.



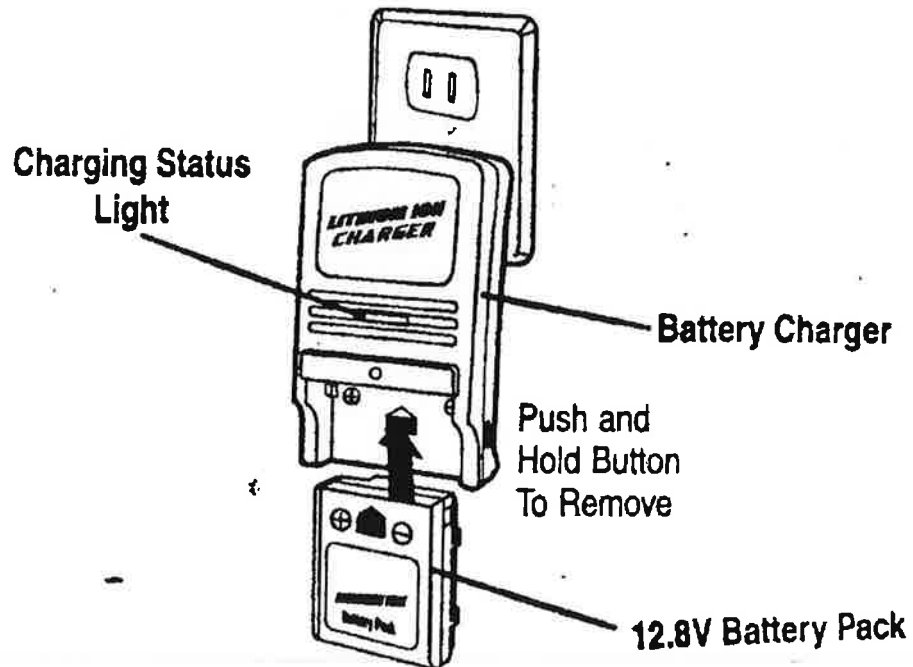
Note: When replacing transmitter batteries:  
Do not mix old and new batteries.  
Do not mix alkaline, standard or rechargeable batteries.  
Use alkaline batteries only.

# Battery Pack

## Charging the Battery

### IMPORTANT!

The included 12.8V Lithium Ion battery pack is only **PARTIALLY CHARGED** prior to shipment and it is recommended the battery be fully charged before first use.



1. Insert the 12.8V Lithium Ion rechargeable battery pack securely into the charger and push up to lock. Be sure the arrows are properly matched (as shown above).
2. Plug the Charger into a standard indoor electrical outlet. This power unit is intended to be correctly orientated in a vertical or wall mount position.
3. Charging Status Light will be solid red while battery is charging. When charging is complete, light will blink green.
4. To remove the battery, press and hold the release button and slide battery down to unlock.
5. Charge will last approximately 12 minutes depending on terrain and driving style.

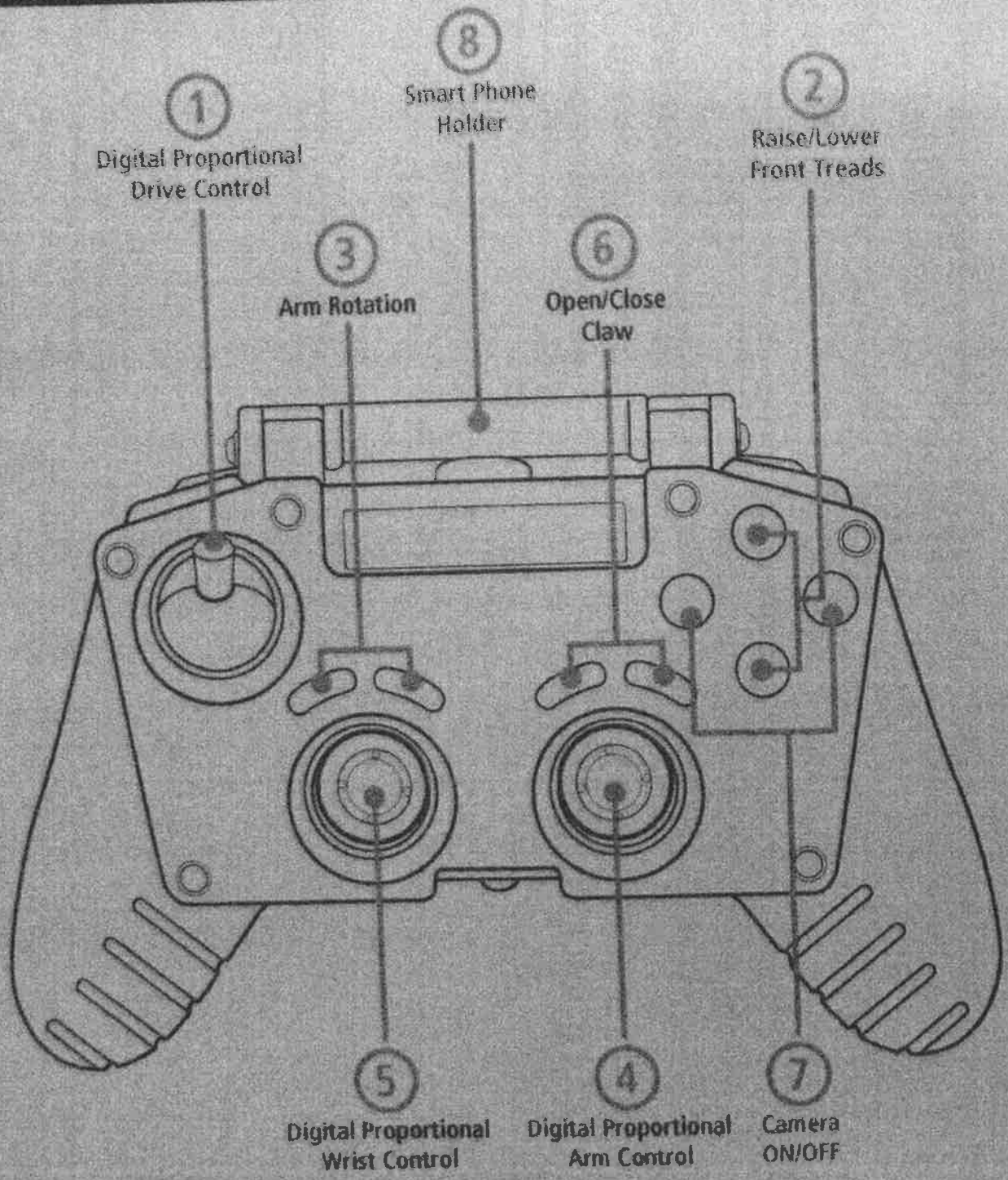
**IMPORTANT:** It is normal for the battery pack to become warm after charging and/or use. Be sure to allow the battery pack to cool before using or recharging. Recharging a warm battery pack will greatly reduce the battery life.

### ATTENTION PARENTS:

- The Battery Charger & Battery Pack need to be periodically examined for potential hazards. Any potentially hazardous parts need to be repaired or replaced.

# TRANSMITTER

## Control Map



## Syncing

This transmitter is equipped with 2.4GHz technology which allows up to 12 vehicles to be raced at the same time.

Once vehicle and transmitter batteries have been correctly installed and vehicle ON/OFF Switch is in the ON position, the transmitter will automatically sync with the vehicle.

# TRANSMITTER

## Control Details

1

### Digital Proportional Drive Control

Push Joystick Forward for Forward Driving. Pull Joystick Back for Reverse Driving.  
Push Joystick Left for Left Turning. Push Joystick Right for Right Turning.

2

### Raise/Lower Front Treads

Push and hold Top Button to Raise the front treads. Continue to hold to rotate treads 180° for Storage Mode. Push and hold Bottom Button to lower front treads. Continue to hold to lift vehicle up. Release buttons to stop.

3

### Arm Rotation

Push and hold Left Button to Rotate Arm Left. Push and hold Right Button to Rotate Arm Right.  
Release buttons to stop rotation.

4

### Digital Proportional Arm Control

Push Joystick Forward to Raise Arm. Pull Joystick Back to Lower Arm.  
Push Joystick Right to Move Arm Forward. Push Joystick Left to move arm Backward.

5

### Digital Proportional Wrist Control

Push Joystick Forward to Raise Wrist. Pull Joystick Back to Lower Wrist.  
Push Joystick Right to Rotate Claw Clockwise. Push Joystick Left to Rotate Wrist Counter-Clockwise.

6

### Open/Close Claw

Push and Hold Left Button to Open Claw. Push and Hold Right Button to Close Claw.  
Release Buttons to Stop.

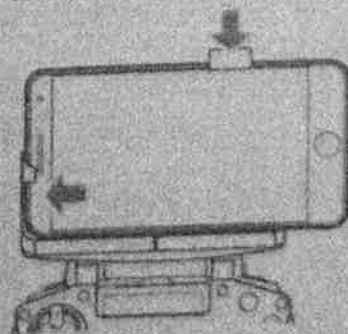
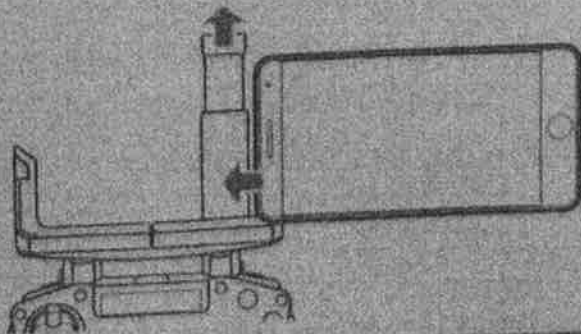
7

### Camera ON/OFF

8

### Smart Phone Holder

Locate the Smart Phone Holder at the back of the transmitter. Flip forward into the upright position.  
Next, gently pull up on the clamp while sliding phone in. Release clamp when phone is in place.

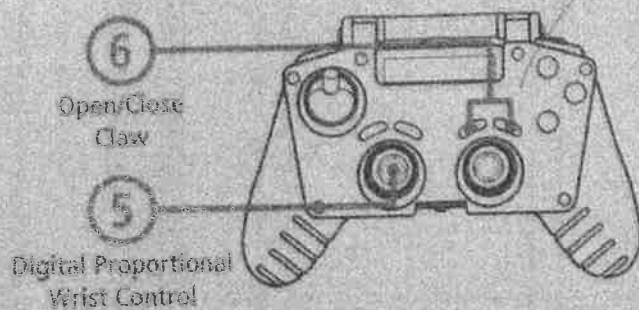


# ROBOT FUNCTIONS

## Intermediate Operations

### SIMULTANEOUS MOVEMENTS

To master controls, try out the different movement combinations listed below.



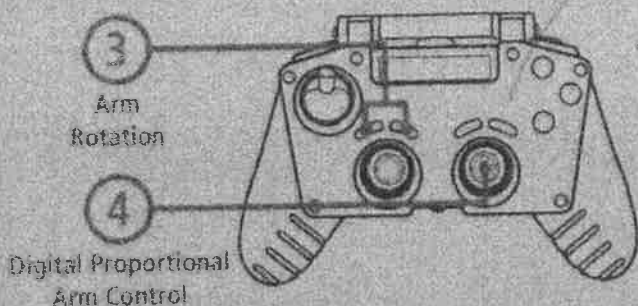
6  
Open/Close  
Claw

5  
Digital Proportional  
Wrist Control

### WRIST & CLAW COMBINATIONS

Press and hold the indicated joystick and button(s). Use this combination to rotate or move the wrist up and down while opening or closing the claw.

This maneuver is useful for picking up objects.



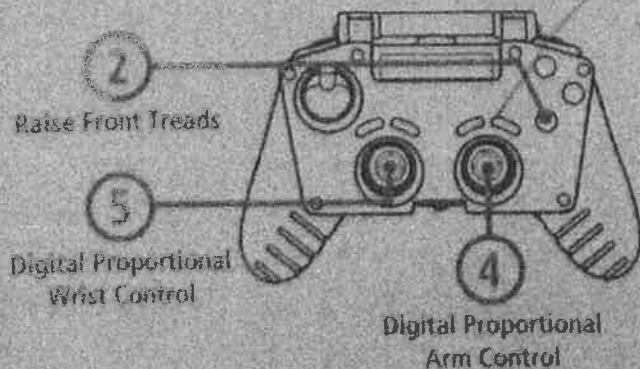
3  
Arm  
Rotation

4  
Digital Proportional  
Arm Control

### ARM COMBINATIONS

Press and hold the indicated joystick and button(s). Use this combination to rotate the arm while raising or lowering it, or while moving it forward or backward.

This maneuver is useful for reaching.



2  
Raise Front  
Treads

5  
Digital Proportional  
Wrist Control

4  
Digital Proportional  
Arm Control

### WRIST, ARM & TREAD COMBINATION

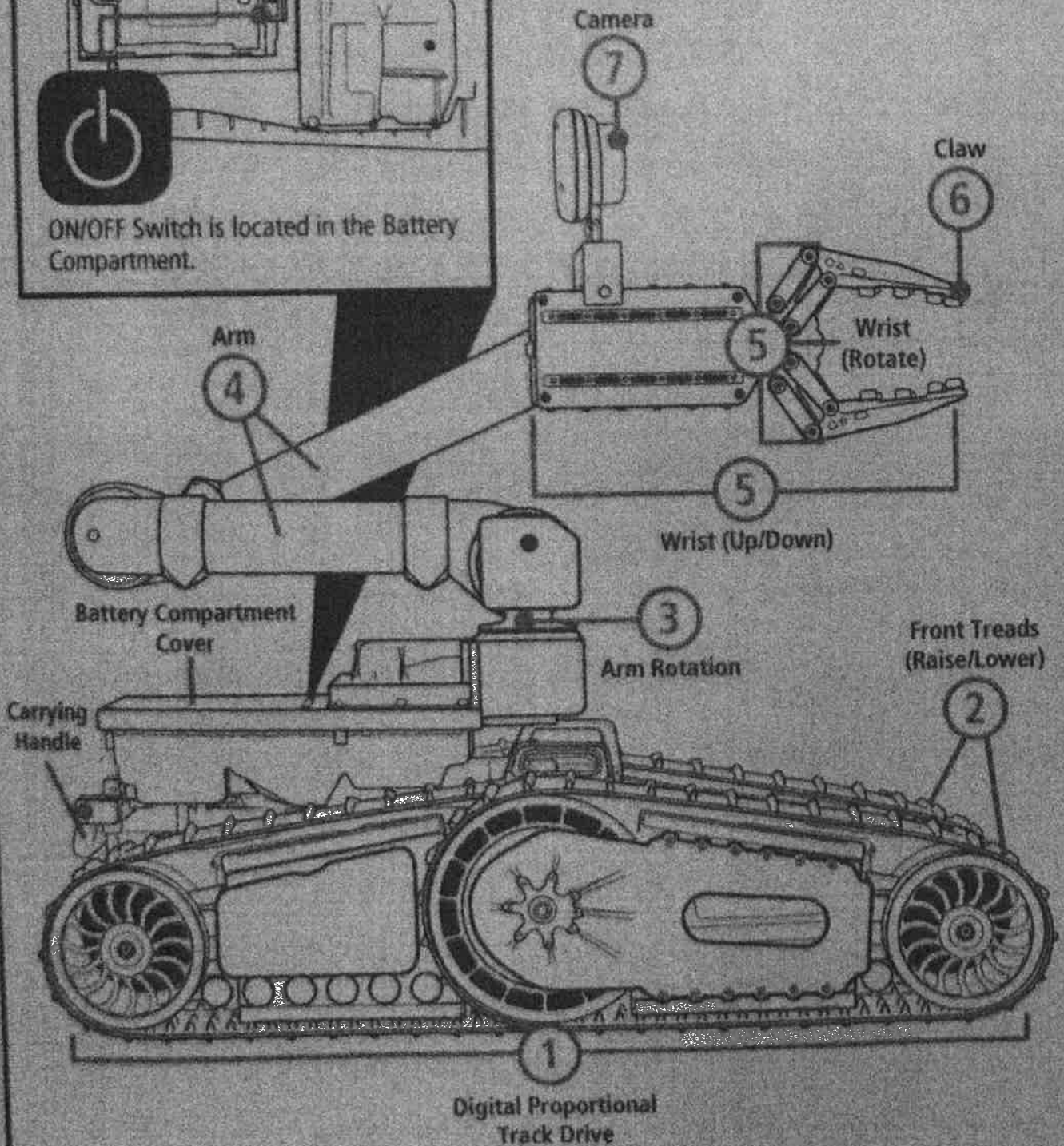
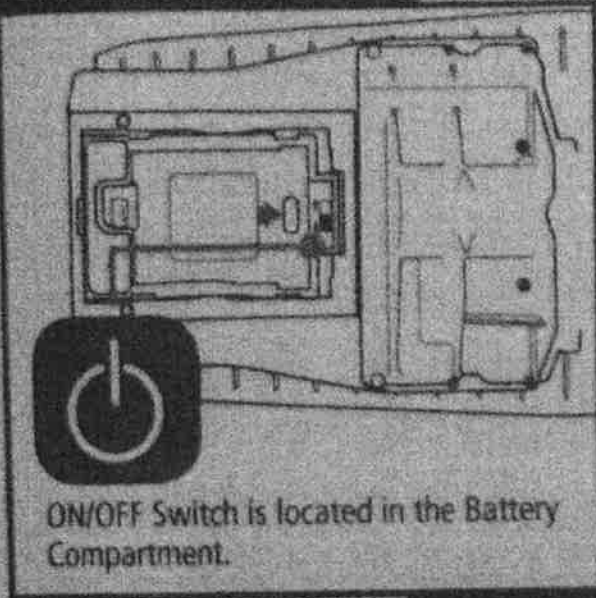
Press forward on the indicated joysticks while pressing the indicated button. Use this combination to lower the front treads while raising the arm and wrist.

This maneuver is useful for reaching high places.

# ROBOT FUNCTIONS

## Function Locations

### ON/OFF Switch





# ROBOT FUNCTIONS

## Basic Controls

### ① Digital Proportional Track Drive



Forward



Reverse

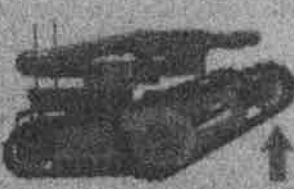


Left



Right

### ② Raise/Lower Front Treads



Treads Raised



Treads Lowered

### ③ Arm Rotation



### ④ Arm Control



Arm Raised



Arm Lowered



Arm Forward



Arm Backward

### ⑤ Wrist Up/Down



Wrist Up



Wrist Down

### ⑤ Wrist Rotation



### ⑥ Claw Open/Close



# ROBOT FUNCTIONS

## Advanced Operations

### IMPORTANT!

Do not attempt advanced operations until basic controls have been mastered.

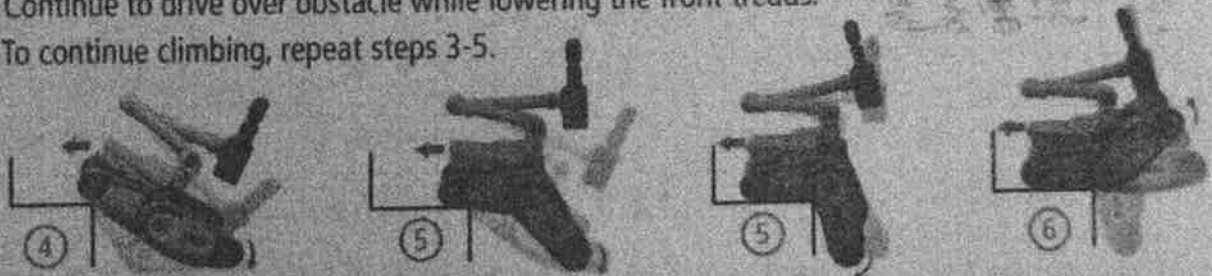
### CLIMBING UP STAIRS AND OTHER OBSTACLES

1. To climb up and over obstacles, approach with the REAR of the vehicle using REVERSE DRIVE.
2. When an obstacle has been reached, position arm as shown and raise wrist until claw is pointing upwards.
3. Next, raise the front treads while driving towards the obstacle.

Note: Stairs should not have a 'tip' or overhang on the riser.

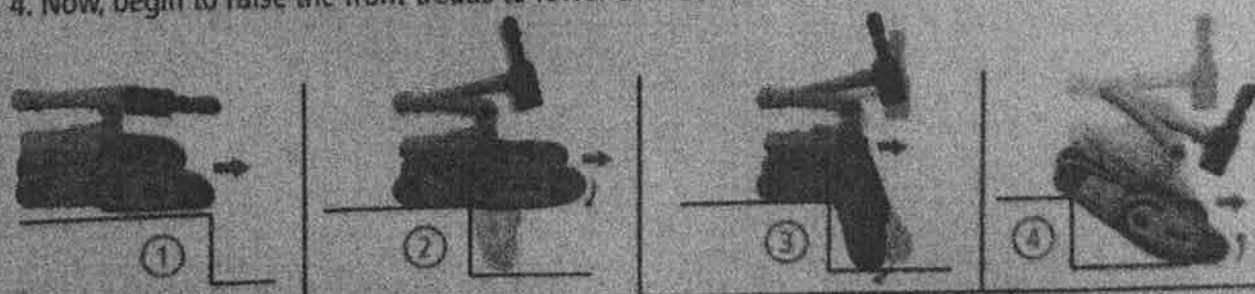


4. Now, begin to lower the front treads to raise the robot.
5. Continue to drive over obstacle while lowering the front treads.
6. To continue climbing, repeat steps 3-5.



### CLIMBING DOWN STAIRS AND OTHER OBSTACLES

1. To climb down, approach with the FRONT of the vehicle using FORWARD DRIVE.
2. Lower front treads as you approach the edge of an obstacle.
3. Continue lowering the front treads as you drive forward over the edge.
4. Now, begin to raise the front treads to lower the robot.



5. Continue to drive over obstacle while raising the front treads.
6. To continue climbing, repeat steps 2-5.

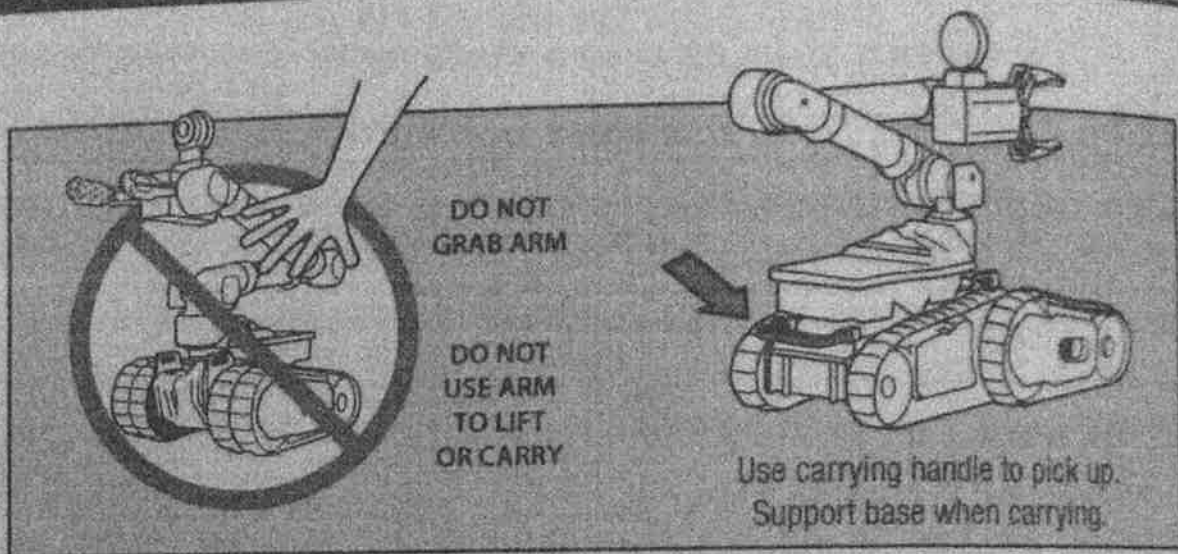


#### Pro Tip:

Proceed slowly and make minor adjustments to your position as you go. Climbing should not be attempted at high speeds.

# PROPER USE

## Precautions & Care



# Support

## Trouble shooting & Support

### **Problem - Vehicle does not move or moves slowly.**

- Make certain there are fresh batteries in the transmitter and that they have been installed in the correct position.
- Are the (+) and (-) markings on the batteries in the same position as the (+) and (-) markings in the Transmitter Battery Compartment?
- Has the Battery Pack been installed in the vehicle?
- Has the rechargeable Battery Pack been fully charged?
- Are the (+) and (-) markings on the Battery Pack in the same position as the (+) and (-) markings in the Battery Compartment?
- Are the metal contact tabs touching, rusty or dirty in the transmitter?
- Make certain that the vehicle ON/OFF switch is in the "ON" position.

### **Problem - Vehicle moves by itself or exhibits reduced range from the transmitter.**

- Make certain there is no outside radio interference in your area. The best way to test this is to take the vehicle as far away from radio towers, electrical lines or tall buildings as possible to ensure no further radio interference will occur.

### **FCC CAUTION:**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

# New Bright

## Cautions

- Do not leave the toy unattended while charging it.
- Battery charging should be done by adults.
- Charge the toy on a non-flammable surface and keep it away from flammable items
- Turn the charger off when the toy's battery is charged, and always unplug it from the toy.
- Disconnect AC wall chargers from outlets while not in use.
- If the toy has been damaged, immediately stop use, unplug, and safety move the toy away from flammable materials.
- Follow the manufacturer's instructions for charging the toy. **DO NOT** charge longer than recommended.

### RSS Statement

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

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Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.