BLAZOR™

RAGING RAPTOR

POWER GUIDE

ACTION ROBOT

5+
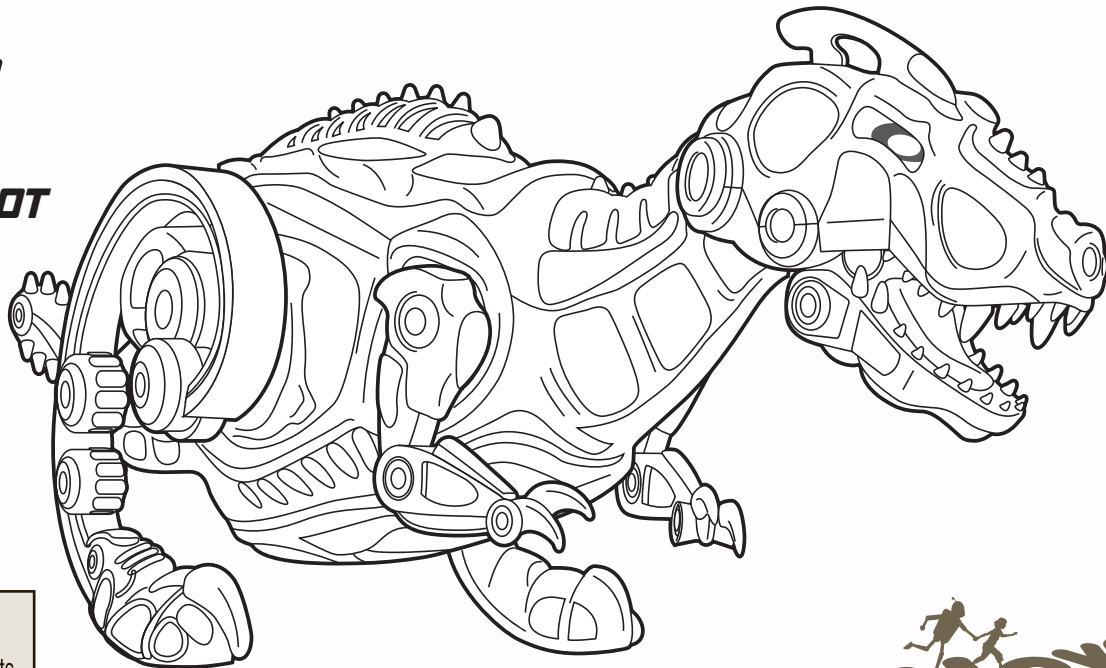
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CONTENTS

BEFORE YOU GET STARTED

READ this Guide

REGISTER online at **www.i-loverobots.com**

CONTACT US
Blazor is a unique mobile robot and your experience is very important to us. If you have questions or concerns about Blazor's functionality or operation, please contact Bossa Nova Robotics' customer service at **www.i-loverobots.com**
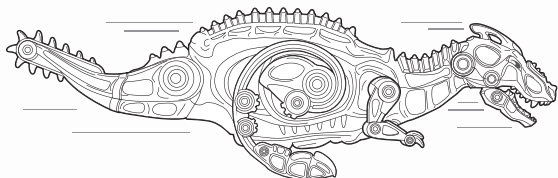
Please keep this Guide for future reference.

BLAZOR

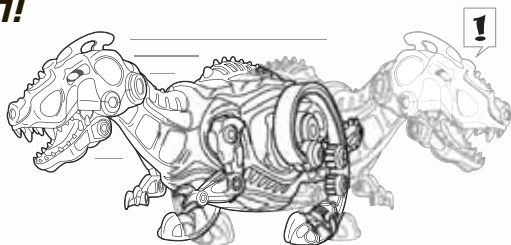Blazor is an action robot – a mechanical dinosaur built for speed, fun, and interactivity.

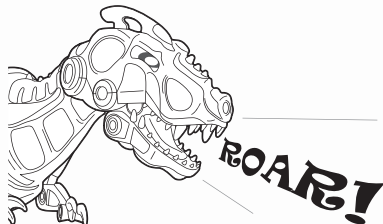Blazor is aggressive and fast, and he is on a mission to hunt. Can YOU tame him?

FAST

High-speed running robot!

FUN!

He stalks! He searches! He destroys!

AUTONOMOUS AND INTERACTIVE!

ROAR!

IMPORTANT SAFETY INFORMATION

NEVER:
- Hold Blazor during operation.
- Operate Blazor on his back or on his side. Always keep him upright when turned on.
- Put your fingers inside Blazor's mouth, it is a pinching hazard.
- Abuse, throw, or violently shake Blazor. This can damage the robot and compromise his safe operation.
- Get Blazor wet, place him near heat or flames, or in sand, soil, or mud.
- Bend Blazor's legs - this will permanently damage the running function.

ALWAYS:
- Keep a safe distance from Blazor's rotating legs.
- Keep Blazor upright when turned on.
- Make sure Blazor's power switch is in the **"OFF"** position before installing batteries.

Periodically examine Blazor for potential hazards such as cracked, damaged, or otherwise broken parts. In the event of such damage, do not use Blazor until he can be repaired.

Blazor is designed for ages 5 and up. Younger ages require adult supervision.

Do not make Blazor run into objects, furniture, or walls. Collisions cause damage to the objects and to the robot.

Blazor uses infrared technology (IR) to sense motion, detect obstacles, and receive remote control commands. Blazor may not work properly in direct sunlight or under certain interior lighting conditions.

Although Blazor will run on a variety of surfaces, he works best on hard floors.

QUICK-START GUIDE

Getting started
Carefully remove Blazor from his packaging. Be sure to properly remove all twist ties, tape, and packing materials from the robot's body before playing with him.

Package contents
1 Blazor robot
1 Remote controller

Battery Information
Blazor uses 4 AA LR6 batteries.
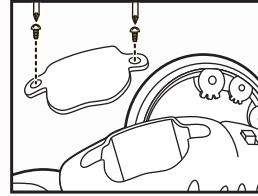Remote Controller uses 3 AAA LR3 batteries.

We recommend using good quality alkaline batteries.

IMPORTANT BATTERY SAFETY INFORMATION

Batteries should only be replaced by adults.	Rechargeable batteries should only be used and charged with adult supervision.
Respect the correct polarity (+) and (-) as indicated.	Remove rechargeable batteries from Blazor before charging.
Replace all batteries of the same type / brand at the same time.	DO NOT mix old and new batteries or different types of batteries.
Use only fresh batteries of the required size and recommended type.	DO NOT try to recharge non-rechargeable batteries.
Remove batteries if Blazor will not be used for an extended period of time.	DO NOT short-circuit the supply terminals.
Remove exhausted batteries from Blazor and the remote controller.	DO NOT dispose of batteries in fire. Batteries may leak or explode.

BATTERY INSTALLATION

1. Locate Blazor's power switch, and turn it from **"TRY ME"** to **"OFF"**
2. Using a Phillips head screwdriver (⊕), remove Blazor's battery cover.

3. If installing batteries for the first time, remove the two AA LR6 **"TRY ME"** batteries and discard them.
4. Place 4 AA LR6 batteries in Blazor and replace the cover.
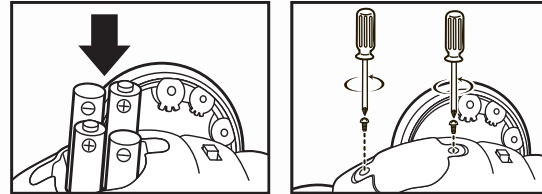
5. Remove the controller battery cover.
6. Insert 3 AAA LR3 batteries, and replace the cover.

ONCE BATTERIES HAVE BEEN INSTALLED

1. Locate Blazor's power switch between his legs. Turn it from **"OFF"** to **"ON"**.
- You will hear a growl indicating that Blazor is on.
- NOTE: When the power switch is set to **"TRY ME"**, Blazor will make sounds when his jaw is closed but will not move.
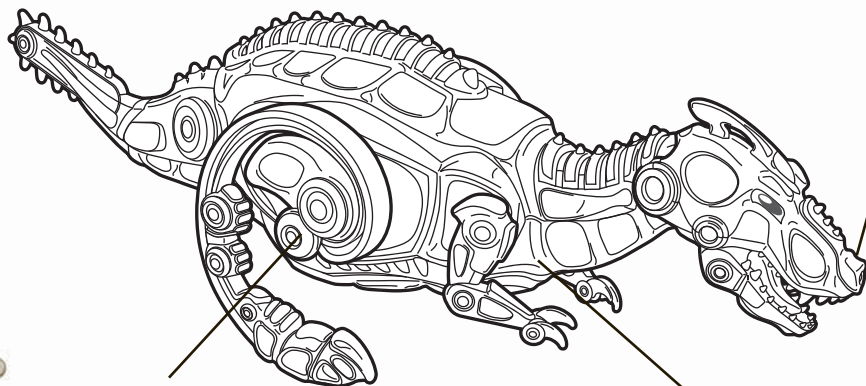2. Blazor is ready to play!

SENSORS

Environment Sensors (Exteroception):
IR emitter/receiver located in the nose. Detects obstacles in Search & Destroy Mode, detects motion in Guard Mode, and detects proximity to objects when the robot is idle.

TRIGGERS

ON/OFF/TRY Me Switch:

- **"ON"** activates Blazor's motor, his speaker, and makes his sensors ready for input.
- **"OFF"** deactivates Blazor's motor and sensors.
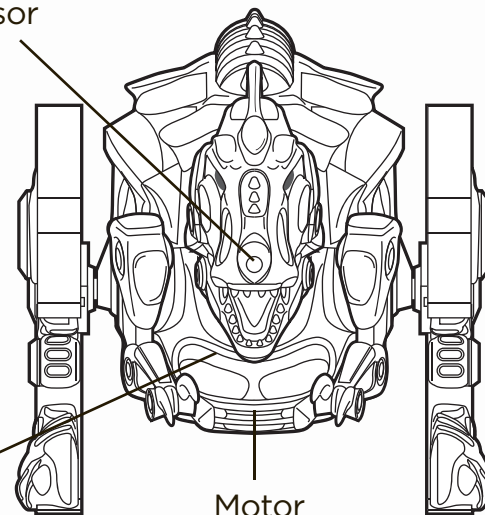- **"TRY ME"** only activates Blazor's jaw switch and his speaker.

OUTPUT

Speaker: Located in Blazor's chest, it allows him to vocalize.
Motor: Located between Blazor's legs, the motor enables him to move at high speed.

Sensor

Motor

Speaker

Motor

USING BLAZOR'S CONTROLLER

Point the controller at Blazor, press a button and he will obey!

TRANSMITTER: Sends commands to Blazor's sensors

LED: Indicates when a button is being pressed

AUTO: Go into "Search & Destroy Mode"

FORWARD: Run ahead at full speed

GROWL: Make random dinosaur noises

TURN: Rapidly turn to the right

STOP: Stops current function

A/B switch for two-robot play

GAURD: Go into "Guard Mode"
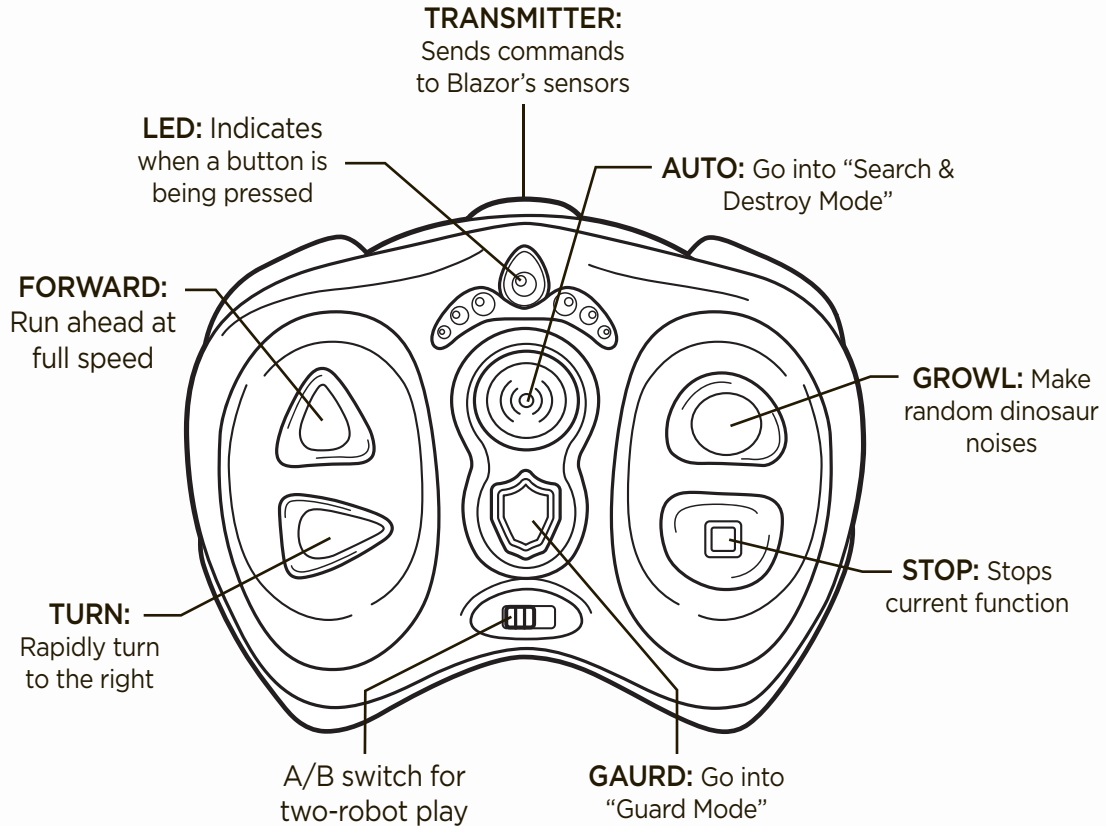
BLAZOR'S SENSORS

Blazor's infrared sensors allow him to detect movement and avoid objects. Run your hand in front of Blazor, and he will let you know that he saw you!

IR EMITTER/
RECEIVER

BLAZOR'S JAW

You can interact with Blazor by closing his jaw.

- If he is being too loud or running around too much, just close his jaw to make him stop.
- If he's still being too loud, hold his jaw shut a few seconds and he'll start to whine!
- If you hold down around five seconds, Blazor will go into Search & Destroy mode.
- If you double-click Blazor's jaw he will feel offended and start spinning in rage!
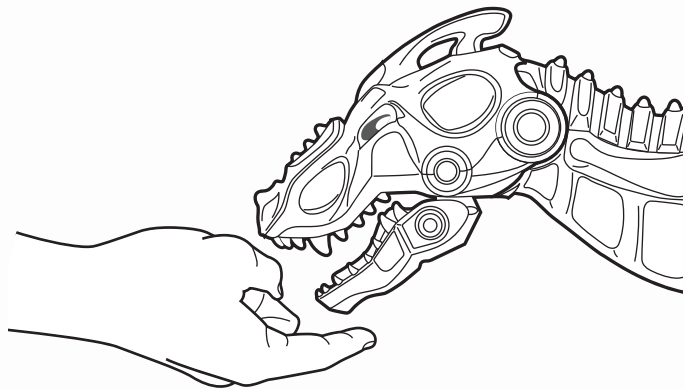
BLAZOR'S MODES OF PLAY

SEARCH & DESTROY (AUTONOMOUS) MODE

To activate:

Press the **"Auto"** button on the center of the controller.

OR

Hold Blazor's jaw shut for five seconds.

When Blazor is in Search and Destroy Mode, he has a mind of his own and will explore his environment. He will avoid obstacles while searching, but if he finds another Blazor (sold separately), he will attack with speed and ferocity in an attempt to destroy it!

To get Blazor out of Search & Destroy Mode, simply press a different button on the controller or close Blazor's jaw once.

GUARD MODE

NOTE: Set Blazor on the floor before putting him in Guard Mode.

To activate:

Press the shield-shaped **"Guard"** button on the controller.

In Guard Mode, Blazor will stand at attention, defending his territory. When an intruder gets too close, Blazor lunges at it with a burst of speed!

To get Blazor out of Guard Mode, simply press a different button on the controller or close Blazor's jaw once.

DIRECT CONTROL MODE

You can take control of Blazor at any time using his controller. Simply press the button that corresponds with the command that you want him to follow.

Blazor turns at such high speed that you can send him in any direction in a split-second.

Remember, when you are controlling Blazor he does not avoid obstacles on his own!

For best results, point the transmitter at Blazor's face
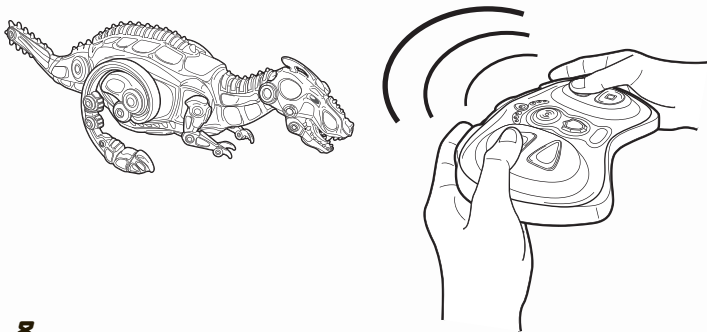
MULTI-ROBOT PLAY

If Blazor is near another Blazor (sold separately), they will fight over their territory until one wins!

You can also directly control your Blazor's fight against another Blazor! First, toggle 'A/B' modes* - if your friend is A, you should be B. Then, maneuver your Blazor to face the other robot and press 'Growl' to attack. If your opponent is hit, he spins and shrieks in agony!

*A/B Mode: To set your robot to mode A, turn OFF the robot and slide the A/B switch on the controller to A. Turn ON the robot and press any button, the robot is now in mode A. To play with a friend, ask them to place their robot in mode B.

Did you know?

Blazor also interacts with Prime-8, the Action Gorilla (sold separately)! Maneuver Blazor to face Prime-8, and press 'Growl' on his controller! Prime-8 gets hit but his armor protects him from serious damage.

But if you press 'Shoot' on Prime-8's controller, Prime-8 shoots lasers at Blazor. If Blazor gets hit, he hurts and spins in agony!
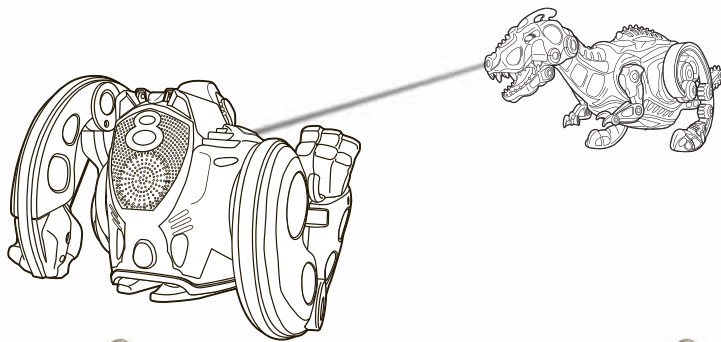
ANIMOTION ROBOTICS

Blazor runs by rotating his legs around the hips. The legs are designed to be compliant - they flex at every step, storing and restoring energy as the robot runs. We call this Animotion Robotics, a technology that aims to imitate the way an animal's leg tendons store and restore energy as it runs. This technology adds to Blazor's dynamic motion - all the while making the leg adapt to the terrain for enhanced locomotion.

Axel

1. Normal

2. Compressed

3. Energy released
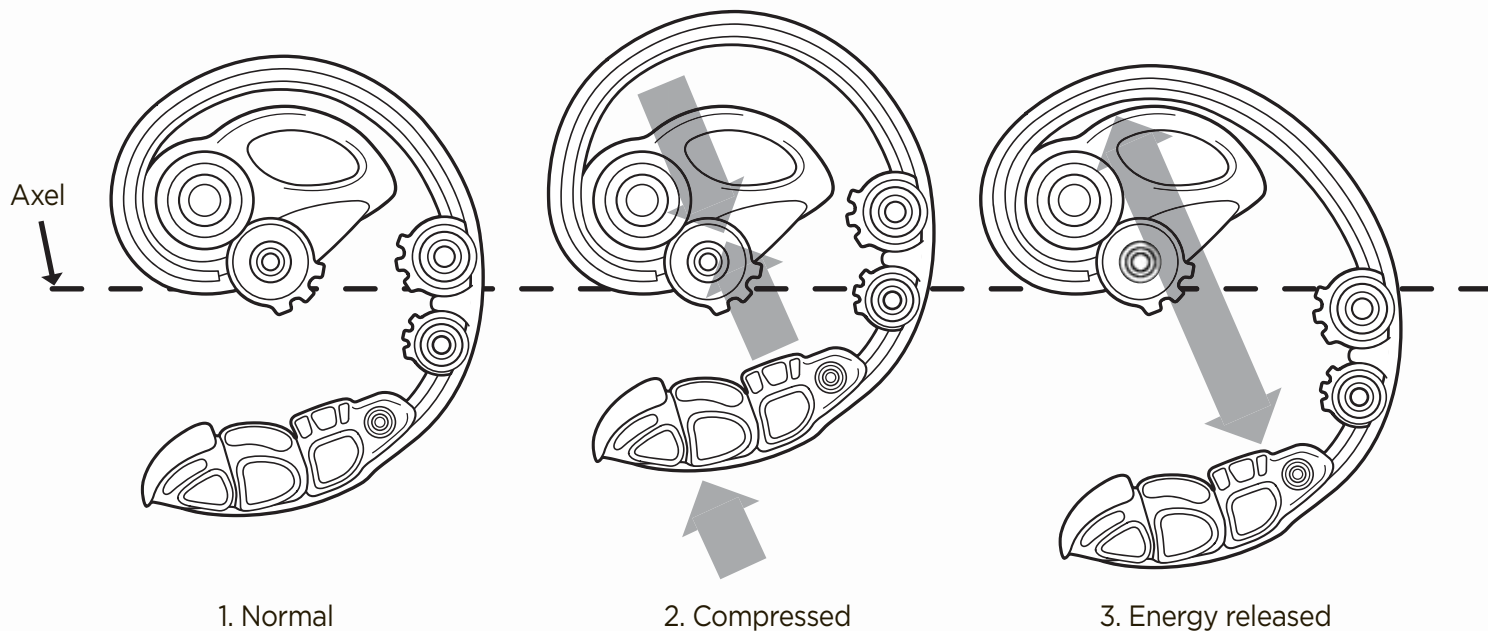
⊙ TROUBLESHOOTING

PROBLEM: Blazor won't turn on.
SOLUTION: First, check that Blazor's power switch is in the **"ON"** position. If it is, turn Blazor off and check that the batteries are installed properly. If they are, it may be time to replace them. If after replacing the batteries Blazor still does not turn on, contact Bossa Nova Robotics at **www.i-loverobots.com**

PROBLEM: Blazor is moving slower than usual.
SOLUTION: This is a sign that Blazor's batteries are low on power. Replace them with new batteries. See Page 3 for instructions.

PROBLEM: Blazor will not move, and he will only make sounds when I close his jaw.
SOLUTION: Check Blazor's power switch. Make sure that it is set to **"ON"** and not **"TRY ME"**.

PROBLEM: Blazor has stopped responding.
SOLUTION: Toggle Blazor's power switch **"OFF"** then **"ON"**. If this does not solve the problem it may be time to replace his batteries. See page 3 for instructions.

PROBLEM: Blazor keeps running into walls or he stops running spontaneously.
SOLUTION: Wipe Blazor's nose with a damp cloth to make sure that his infrared sensor is not obstructed. If the problem persists, check the lighting conditions - Blazor may not **"see"** correctly under fluorescent lights or in direct sunlight. Blazor's sensors work best on hard objects such as walls and on flat even surfaces. **NOTE:** Blazor's obstacle avoidance only works in **"Search & Destroy"** and **"Guard"** modes. It is OFF when you command the robot with the controller.

PROBLEM: Blazor does not follow controller commands.
SOLUTION: Blazor's controller's emitter needs to be facing Blazor's sensors (located in his nose) unobstructed in order for him to receive commands (see Page 4). Sometimes certain lighting conditions will interfere with Blazor's IR receivers, so try moving him to a different room. If this does not solve the problem, replace the controller's batteries with new ones, as the power may be too low for it to transmit effectively.

PROBLEM: Blazor has become wet.
SOLUTION: If you notice condensation or evidence that Blazor or his controller has become wet, IMMEDIATELY turn the power switch to **"OFF"**, and remove the batteries. Put Blazor in a dry, room-temperature environment for 48 hours. Install new batteries. If Blazor does not function properly thereafter, he may need to be serviced.

PROBLEM: Blazor needs to be cleaned.
SOLUTION: Turn Blazor's power switch to **"OFF"**. Remove the batteries. Clean with a lightly dampened cloth and allow him to dry properly before installing the batteries again. Repeat as necessary. NEVER UNDER ANY CIRCUMSTANCES ATTEMPT TO CLEAN BLAZOR WITH SOLVENTS OR OTHER CHEMICALS.

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Manufactured by Bossa Nova Robotics Limited, Hong Kong.
A subsidiary of Bossa Nova Concepts, LLC, Pittsburgh, PA, USA

BOSSA NOVA
R O B O T I C S

CE

Let's care for the environment:
The wheelie bin symbol indicates that the product must not be disposed of with other household waste. Please use designated collection points or recycling facilities when disposing of the product.

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