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SIMREX TOY2503

SIMREX Robot Dog RC Stunt Car User Manual

Model: TOY2503

INTRODUCTION

The SIMREX Robot Dog RC Stunt Car is an advanced robotic companion designed for dynamic play. Featuring an innovative 8-wheel Mecanum system, RGB LED eyes, and dual control options, this toy offers unparalleled mobility and interactive experiences. It is suitable for ages 6 and up.



Figure 1: The SIMREX Robot Dog RC Stunt Car, its remote control, and packaging.

Key Features:

- Dynamic 8-wheel Mecanum system for 360° mobility.
- Auto-changing RGB LED eyes for expressive interaction.
- Dual control system: ergonomic 2.4GHz remote controller and gesture-sensing wristband.
- 8 dynamic action modes with three interactive sound effects.
- One-touch demo button for impressive stunt sequences.
- Premium durability with industrial-grade Mecanum wheels and high-traction rubber treads.
- Dual 500mAh Li-ion batteries for extended runtime and quick USB recharging.

SAFETY INFORMATION

WARNING: Small Parts. Not for children under 3 years.

- Always supervise children during play.

- Do not operate near water or in wet conditions.
- Avoid operating in crowded areas to prevent collisions.
- Do not disassemble or modify the product.
- Ensure batteries are inserted with correct polarity.
- Remove batteries from the toy and remote control when not in use for extended periods.

WHAT'S IN THE BOX

Your SIMREX Robot Dog RC Stunt Car package includes the following components:

- 1 x Eight-Wheel Robot Dog
- 1 x 2.4GHz Remote Control
- 2 x 3.7V 800mAh Li-ion Batteries
- 1 x Remote Control Switch (Gesture-sensing wristband)
- 1 x Operation Guide (User Manual)
- 1 x Screwdriver
- 1 x USB Charging Cable

THE BEST PLAYMATE FOR KIDS



Figure 2: All components included in the product package.

SETUP GUIDE

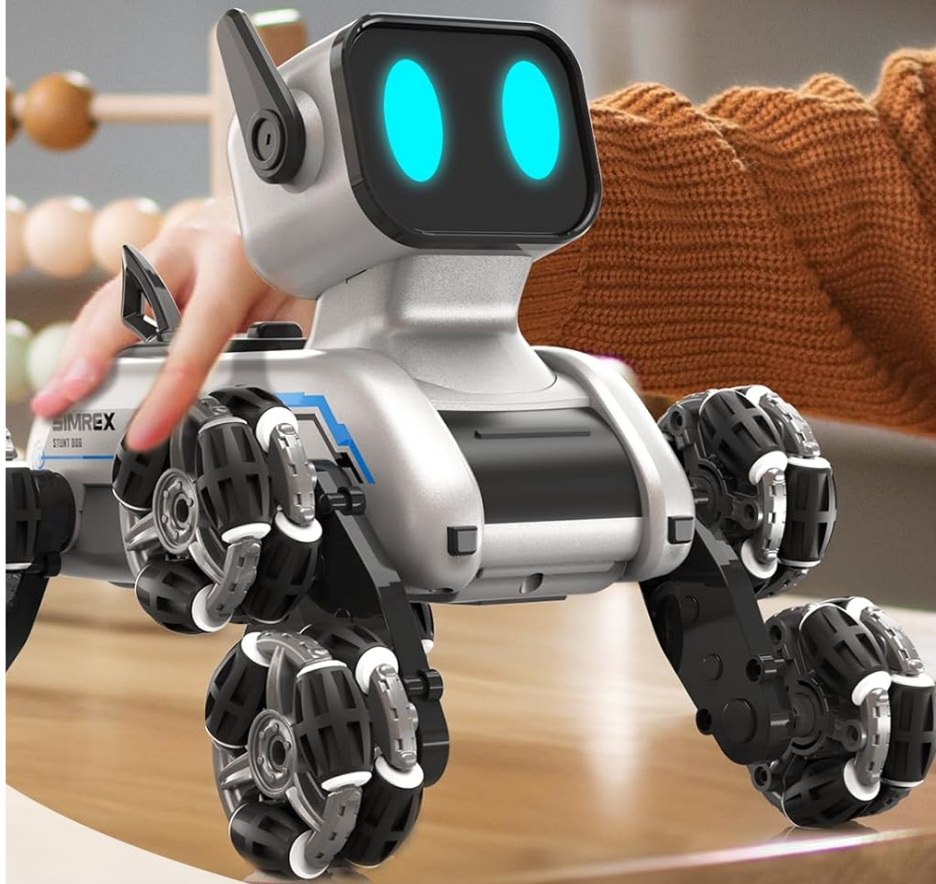
1. Battery Installation

Robot Dog: Use the included screwdriver to open the battery compartment on the robot dog. Insert one of the 3.7V 800mAh Li-ion batteries, ensuring correct polarity. Close the compartment securely.

Remote Control: Open the battery compartment on the back of the 2.4GHz remote control. Insert 2 x AA batteries (not included), observing polarity. Close the compartment.

Gesture-Sensing Wristband: The wristband typically has a built-in rechargeable battery. Refer to the charging instructions below.

STUNT EIGHT-WHEEL ROBOT DOG



Multiple
Angle Walking



Music



Eye Flashing



Voice Switch



One-Key
Demonstration

Figure 3: The robot dog and its power source, ready for battery installation.

2. Charging the Robot Dog Battery

Connect the 3.7V 800mAh Li-ion battery to the USB charging cable. Plug the USB cable into a standard USB power adapter (e.g., computer USB port, wall adapter). The indicator light on the USB cable will show charging status. Charging typically takes approximately 60-90 minutes for a full charge. Do not overcharge.

3. Power On and Pairing

Turn on the robot dog using the power switch. Turn on your preferred controller (remote control or gesture-sensing wristband). The robot dog and controller will automatically pair via 2.4GHz wireless technology. A successful connection is usually indicated by a steady light on both devices.

OPERATING INSTRUCTIONS

1. Remote Control Operation

The ergonomic remote control allows for precise movements. Use the joysticks and buttons to control the robot dog's

direction, speed, and special functions. Refer to the diagram below for button functions.



Figure 4: Remote Control and Gesture-Sensing Wristband User Guide.

- **Left Joystick:** Controls forward/backward movement and turning.
- **Right Joystick:** Controls sideways movement and rotation.
- **Function Buttons:** Activate specific stunts, sound effects, and LED eye changes.
- **One-Key Demo:** Press to activate pre-programmed stunt sequences.

2. Gesture Sensing Wristband Operation

Wear the wristband on your hand. The robot dog will respond to your hand gestures, allowing for hands-free control. Tilt your hand forward, backward, left, or right to control movement. Specific gestures may activate stunts or modes.



Figure 5: Demonstrating easy control via remote and gesture sensing.

3. Dynamic Action Modes and LED Eyes

The robot dog features 8 dynamic action modes, including combat stance, stealth crawl, speed dash, handstands, and spins. These modes are often accompanied by three interactive sound effects. The RGB LED eyes can change colors, adding to the robot's expressive capabilities.

MULTIPLE POSTURES

8 wheels can transform into different shape



Figure 6: The robot dog can transform into different shapes and postures.

WATCH MY EYES PUT ON A LIGHT SHOW !



Figure 7: The robot dog's eyes can display a variety of colors.

MAINTENANCE

- **Cleaning:** Wipe the robot dog and controllers with a soft, dry cloth. Do not use water or chemical cleaners.
- **Battery Care:**
 - Always remove batteries if the toy will not be used for an extended period.
 - Store batteries in a cool, dry place.
 - Do not expose batteries to extreme temperatures or direct sunlight.
 - Dispose of depleted batteries responsibly according to local regulations.
- **Storage:** Store the robot dog and its accessories in a clean, dry environment away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Robot dog does not turn on.	Battery is low or not installed correctly.	Charge the robot dog's battery. Ensure the battery is inserted with correct polarity.
Remote control or wristband not responding.	Controller batteries are low or not paired.	Replace batteries in the remote control. Ensure both the robot dog and controller are powered on and within range for pairing.
Robot dog moves erratically or not as expected.	Interference or low battery.	Ensure no other 2.4GHz devices are causing interference. Recharge the robot dog's battery.
Sound effects or LED eyes not working.	Function not activated or low battery.	Press the correct function button on the remote. Recharge the robot dog's battery.

SPECIFICATIONS

- **Product Dimensions:** 9.84 x 6.29 x 6.69 inches
- **Item Weight:** 1.9 pounds
- **Model Number:** TOY2503
- **Manufacturer Recommended Age:** 6 - 18 years
- **Batteries:** 2 Lithium Ion batteries (included)
- **Control Frequency:** 2.4GHz
- **Manufacturer:** SIMREX

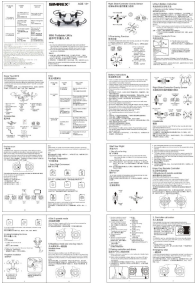




WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the official SIMREX website or contact their customer service directly. You can also visit the [SIMREX Store on Amazon](#) for more product details and contact options.



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Related Documents - TOY2503

	<p>Simrex X900 Mini Foldable Drone: User Manual & Flight Guide</p> <p>Comprehensive guide for the Simrex X900 Mini Foldable Drone, covering setup, safety instructions, flight operations, controller functions, and battery management for optimal flying.</p>
	<p>SIMREX X500 User Manual: Drone Operation, Features, and Safety</p> <p>Comprehensive user manual for the SIMREX X500 drone, covering controller components, setup, flight controls, safety guidelines, troubleshooting, and product configuration. Learn how to operate your drone safely and effectively.</p>
	<p>SIMREX 2799-GPS Drone Instruction Manual</p> <p>Comprehensive instruction manual for the SIMREX 2799-GPS drone, covering flight safety, controls, modes, calibration, and battery care. Learn how to operate your drone safely and effectively.</p>
	<p>Simrex GLB SNRDS II 4-Wire Operation and Technical Manual</p> <p>Comprehensive operation and technical manual for the Simrex GLB Synthesized Netlink Radio Data System (SNRDS II) 4-Wire Version. Covers installation, configuration, adjustments, and commands for qualified technicians.</p>
	<p>Shenzhen SIMREX Technology Co., Ltd. Letter of Authorization for Drone Models</p> <p>Letter of Authorization from Shenzhen SIMREX Technology Co., Ltd. authorizing LGAI Technological Center S.A. for matters concerning drone equipment, including FCC applications. Lists various drone model numbers.</p>