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STEMTRON BG1528

STEMTRON BG1528 Programmable Remote Control Robot Instruction Manual

Model: BG1528

Introduction

This manual provides comprehensive instructions for the operation and maintenance of your STEMTRON BG1528 Programmable Remote Control Robot. Please read this manual thoroughly before use to ensure proper function and safety.

Image: The STEMTRON BG1528 robot in green and black, standing upright with its remote control in the foreground. The robot features a launcher on one arm and a shield on the other.

What's in the Box

- Robot toy
- Controller
- Instruction manual
- USB cable
- Screwdriver
- Shield
- Launcher
- Shoot Bullets

Setup

Battery Installation

The robot requires 1 Lithium Ion battery (included). The remote control requires 2 AA batteries (not included).

1. Using the provided screwdriver, open the battery compartment on the back of the robot.
2. Insert the Lithium Ion battery, ensuring correct polarity. Close the compartment and secure with the screw.
3. Open the battery compartment on the back of the remote control.
4. Insert 2 AA batteries, ensuring correct polarity. Close the compartment.

Charging the Robot

The robot is USB rechargeable. Connect the robot to a USB power source (e.g., charger, portable battery, computer USB port) using the provided USB cable. A full charge takes approximately 1 hour and provides about 60 minutes of playtime.

Operating Instructions

Remote Control Functions

The robot can be controlled using the 2.4GHz remote control. Refer to the diagram below for button functions.

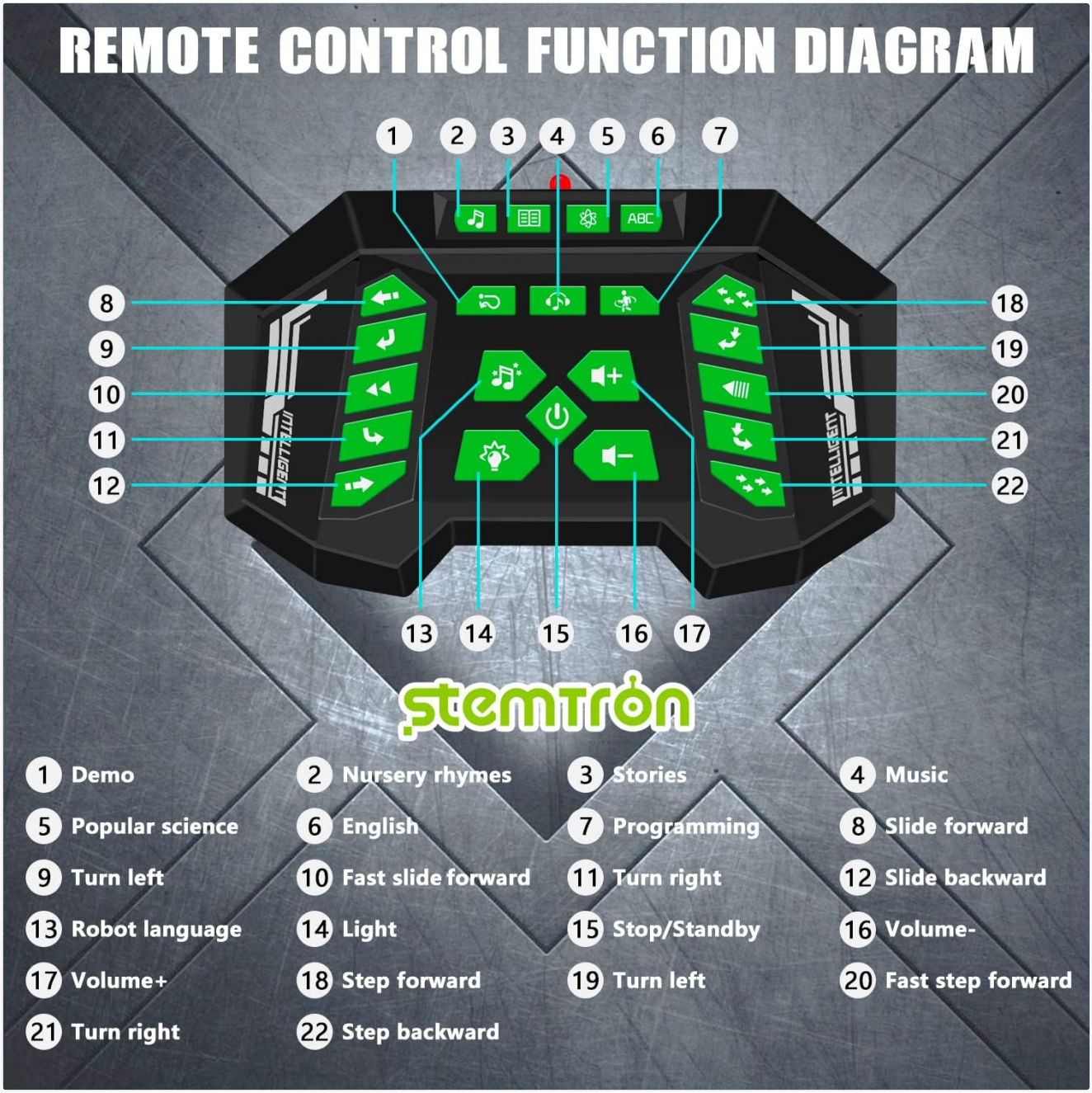

Image: A detailed diagram of the remote control, labeling 22 different buttons for various functions such as Demo, Nursery Rhymes, Stories, Music, Popular Science, Programming, Turn Left/Right, Slide Forward/Backward, Fast Slide Forward/Backward, Robot Language, Light, Stop/Standby, Volume Up/Down, Step Forward/Backward, and Shoot.

- **Movement:** Use the directional buttons to make the robot step forward, step backward, slide forward, slide backward, turn left, or turn right.
- **Fast Movement:** Use the dedicated fast slide buttons for quicker movement.
- **Programming:** Press the 'Programming' button to enter programming mode. Input a sequence of actions, then press 'Programming' again to execute.
- **Music & Sounds:** Buttons are available for 5 songs, 2 jokes, 8 light music tracks, 4 science stories, and 5 machine languages.
- **Lights:** Control the robot's LED eyes.
- **Volume:** Adjust the robot's sound volume.
- **Demo:** Activates an automatic demonstration of the robot's capabilities.
- **Launcher:** Press the 'Shoot' button to fire the soft bullets from the launcher.

Gesture Sensing

The robot is equipped with intelligent gesture sensing. It can respond to hand motions to turn left/right, slide, and walk forward/backward without the remote control.

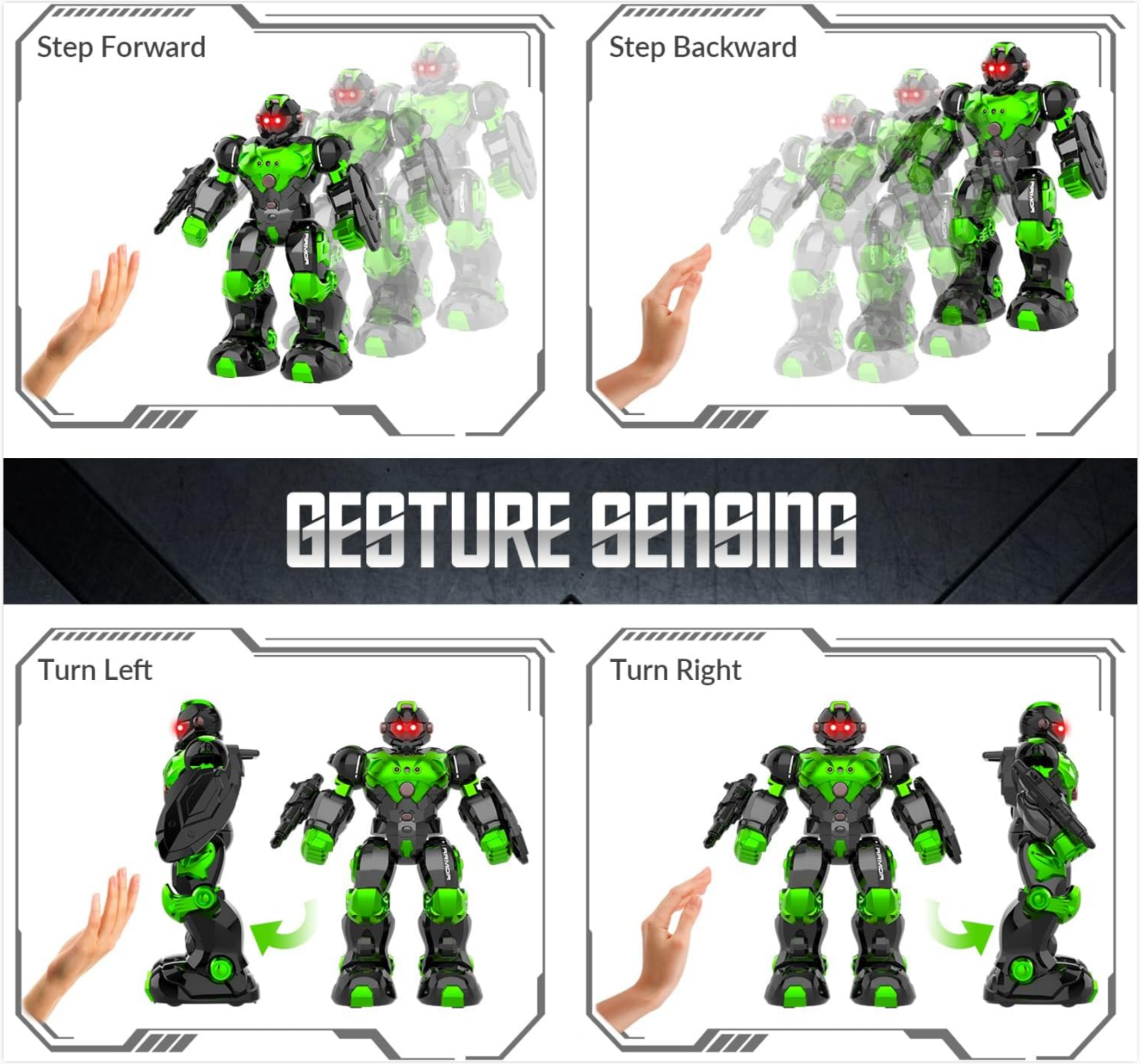

Image: A four-panel image demonstrating gesture sensing. Each panel shows a hand gesture (e.g., moving hand forward, backward, left, right) and the corresponding robot movement (Step Forward, Step Backward, Turn Left, Turn Right).

Intelligent Programming

You can program a series of actions for the robot to perform. Use the remote control to input the desired sequence, then activate the program. The robot will execute the programmed movements.

Image: A graphic illustrating the intelligent programming feature. It shows a robot and a sequence of icons representing different actions that can be programmed.

Launcher Operation

The robot comes with a detachable launcher and soft bullets. To operate:

1. Insert the soft bullets into the launcher.
2. Aim the robot in the desired direction.
3. Press the 'Shoot' button on the remote control to fire.

Additional Features

The robot includes various interactive modes:

- **Songs & Dances:** The robot can play songs and perform dance routines.
- **Educational Content:** Features include science stories, popular science facts, and jokes.
- **Machine Language:** The robot can speak in various machine languages.

Video: A demonstration of the STEMTRON remote control robot's various functions, including movement, gesture sensing, programming, and sound effects.

Maintenance

- Keep the robot and remote control clean by wiping with a dry cloth.
- Avoid exposing the product to water or excessive moisture.
- Store in a cool, dry place when not in use.
- Remove batteries from the remote control if storing for extended periods to prevent leakage.

Troubleshooting

- **Robot not responding:** Ensure both the robot and remote control have fresh batteries and are powered on. Check the connection between the remote and robot.
- **Short playtime:** Fully charge the robot's battery. Battery life may decrease over time with repeated use.
- **Launcher not firing:** Ensure bullets are properly loaded and the 'Shoot' button is pressed firmly.
- **Gesture sensing issues:** Ensure there are no obstructions between your hand and the robot's sensors. Perform gestures clearly and within range.

Specifications

Feature	Detail
Product Dimensions	10.24 x 4.92 x 13 inches
Item Weight	2.07 pounds
Item Model Number	BG1528
Manufacturer Recommended Age	3 years and up
Batteries	1 Lithium Ion battery required (included)
Manufacturer	EXHOBBY

Warranty and Support

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official STEMTRON website. Keep your purchase receipt as proof of purchase.

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Documents - STEMTRON – BG1528

no relevant documents