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CaDA C51043W

CaDA C51043W Technics Buggy Building Blocks Remote Control Car Instruction Manual

INTRODUCTION

Thank you for choosing the CaDA C51043W Technics Buggy Building Blocks set. This manual provides detailed instructions for assembling, operating, and maintaining your remote control car. Please read this manual thoroughly before use to ensure proper function and safety.

PRODUCT OVERVIEW

The CaDA C51043W is a 522-piece building block set designed to construct an all-terrain remote control buggy. It features a 2.4 GHz 4-channel remote control system, a suspension system, and a high-horsepower motor for dynamic performance. The assembled model is compatible with Lego Technic components.



Figure 1: Assembled CaDA C51043W Technics Buggy with its remote control.

PACKAGE CONTENTS

Verify that all components listed below are present in your package:

- 1 x Spare parts pack (522 building blocks)
- 1 x Remote control
- 1 x User manual (this document)
- 1 x Battery pack (JV1010/7.4V Lithium battery)
- 1 x USB charging cable
- 1 x Servo motor
- 1 x L motor



Figure 2: Overview of the main components included in the package, such as the remote control, motors, battery box, and USB cable.

SPECIFICATIONS

Feature	Detail
Model Number	C51043W
Number of Pieces	522
Material	Plastic + Hard parts
Remote Control Frequency	2.4 GHz
Remote Control Distance	Approximately 25 meters
Max Speed	4.1 km/h
Usage Time	30 minutes
Charging Time	4-6 hours (First charge: 8 hours)
Car Battery	JV1010/7.4V Lithium battery

Remote Control Battery	2 x AAA JV8011/1.5V batteries (not included)
Product Weight	1280 grams
Assembled Dimensions (L x W x H)	Approx. 34.7 x 20.8 x 13.5 cm (13.75 x 8.2 x 5.3 inches)



Figure 3: Key dimensions of the assembled buggy.

SETUP

1. Assembly

Follow the included intuitive instruction manual for step-by-step assembly. The pieces are packed in numbered bags to simplify the building process. Ensure all connections are secure.



Figure 4: Front-side view of the fully assembled buggy.

2. Battery Installation and Charging

1. **Car Battery:** Install the JV1010/7.4V Lithium battery pack into the designated compartment in the buggy. Connect it securely.
2. **Charging:** Use the provided USB charging cable to charge the car's battery. The first charge should be approximately 8 hours. Subsequent charges will take 4-6 hours. Do not overcharge.
3. **Remote Control Battery:** Insert 2 x AAA JV8011/1.5V batteries (not included) into the remote control. Ensure correct polarity.

OPERATING INSTRUCTIONS

1. Power On/Off

- Turn on the power switch on the buggy.
- Turn on the power switch on the remote control.
- The remote control and buggy should automatically pair. If not, refer to the troubleshooting section.

2. Basic Controls

The 4-channel remote control allows for precise movement:

- **Forward/Backward:** Use the left joystick to move the buggy forward or backward.
- **Left/Right Turn:** Use the right joystick to steer the buggy left or right.
- **Lights:** The remote control may have a button to control the buggy's lights.



Figure 5: The buggy with its headlights on, ready for operation.

3. Driving Tips

- Operate on flat, clear surfaces for optimal performance.
- Avoid water, sand, or excessively dusty environments to prevent damage to electronic components.
- Practice gentle steering and acceleration to master control.

MAINTENANCE

1. Cleaning

Wipe the buggy with a soft, dry cloth after each use to remove dust and debris. Do not use water or chemical cleaners.

2. Storage

Store the buggy and remote control in a cool, dry place away from direct sunlight. Remove batteries from the remote control if storing for extended periods.

3. Battery Care

- Always fully charge the car battery before use.
- Do not leave batteries charging unattended.
- If the battery is damaged or leaking, discontinue use immediately and dispose of it properly.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Buggy does not respond to remote control.	Low battery in buggy or remote control; Not paired; Out of range.	Charge buggy battery; Replace remote control batteries; Ensure buggy and remote are powered on and within 25m range.
Buggy moves slowly or inconsistently.	Low buggy battery; Obstruction in wheels/gears.	Charge buggy battery; Check for and remove any obstructions.
Lights are not working.	Loose connection; Damaged LED.	Check wiring connections for the lights; Contact support if damaged.

WARRANTY AND SUPPORT

Each piece of this product undergoes quality inspection before shipment. If any part is missing or defective upon arrival, please circle the missing part in the instruction manual and send a picture to our customer support for a free replacement. Please retain your proof of purchase for warranty claims.

For further assistance or inquiries, please refer to the contact information provided on the product packaging or the official CaDA website.