

BlackZon BZN540114

BlackZon Smyter 1/12 4WD Electric Desert Buggy - RTR - Green

Model: BZN540114

INTRODUCTION

Welcome to the instruction manual for your new BlackZon Smyter 1/12 4WD Electric Desert Buggy. This Ready-to-Run (RTR) vehicle is designed for off-road excitement, featuring a robust 4WD shaft drivetrain, independent double wishbone suspension, and adjustable coilover shocks. This manual provides essential information for setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your desert buggy. Please read this manual thoroughly before operating the vehicle.

SAFETY INFORMATION

- Always operate the vehicle in open areas away from people, pets, and obstacles.
- Do not operate near public roads, water, or in adverse weather conditions.
- Keep fingers, hair, and loose clothing away from moving parts.
- Ensure the battery is fully charged before each use.
- Disconnect the battery from the vehicle when not in use and during storage.
- Use only the provided charger and battery. Improper charging can lead to fire or injury.
- Adult supervision is recommended for users under 14 years of age.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- BlackZon Smyter 1/12 4WD Electric Desert Buggy
- 2.4GHz Remote Control Transmitter
- Li-Ion 7.4V 1500mAh Battery w/ T-Plug connector
- USB Charger
- Optional LED Light Set
- Instruction Manual (this document)



Image: The BlackZon Smyter 1/12 4WD Electric Desert Buggy, ready for operation.

SETUP

1. Charging the Vehicle Battery

Before first use, fully charge the included Li-Ion 7.4V 1500mAh battery.

1. Connect the USB charger to a compatible USB power source (e.g., computer USB port, USB wall adapter).
2. Connect the Li-Ion battery to the USB charger's T-Plug connector.
3. The charger's indicator light will show charging status (refer to charger's specific light indications).
4. Once charging is complete, disconnect the battery from the charger. Do not overcharge.

2. Installing the Vehicle Battery

Carefully install the charged battery into the vehicle's battery compartment.

1. Locate the battery compartment on the vehicle chassis.
2. Securely place the charged Li-Ion battery into the compartment.
3. Connect the battery's T-Plug connector to the vehicle's corresponding connector.
4. Ensure all wires are tucked away and do not interfere with moving parts.
5. Close the battery compartment cover securely.



Image: Underside view of the Smyter chassis, showing the internal components and battery placement area.

3. Installing Remote Control Batteries

The 2.4GHz remote control transmitter requires batteries (not specified in JSON, assuming standard AA or AAA).

1. Open the battery compartment on the back of the remote control.
2. Insert the required batteries, observing correct polarity (+/-).
3. Close the battery compartment cover.



Image: Front view of the 2.4GHz remote control transmitter for the Smyter buggy.



Image: Top view of the remote control, showing the steering wheel and various controls.

4. Binding the Remote Control

The remote control and vehicle are typically pre-bound from the factory. If re-binding is necessary:

1. Ensure both the vehicle battery and remote control batteries are installed and charged.
2. Turn on the remote control transmitter first.
3. Then, turn on the vehicle's power switch.
4. The indicator lights on both the transmitter and vehicle receiver should become solid, indicating a successful bind. If not, refer to the troubleshooting section or specific binding instructions on the remote control itself (often a small button).

OPERATING THE VEHICLE

Basic Controls

- **Steering Wheel:** Rotate the wheel left or right to steer the vehicle.
- **Throttle Trigger:**
 - Pull the trigger towards you to accelerate forward.
 - Push the trigger away from you to brake, and push again for reverse.
- **Speed Switch:** The 2.4GHz transmitter includes a Speed Switch dial. Turn this dial to adjust the maximum speed of the vehicle. This is useful for new users or for operating in confined spaces.
- **Trim Adjustments:** The remote control may have trim dials for steering and throttle. Use these to fine-tune the vehicle's straight-line tracking and neutral throttle position if needed.

Driving Tips

- Start slowly to get a feel for the controls.
- Practice steering and throttle control in an open area.
- Avoid prolonged full-throttle operation, especially on rough terrain, to prevent overheating.
- The Smyter is designed for off-road use. Enjoy its capabilities on dirt, gravel, and grass.
- Utilize the illuminated roof light bar for low-light conditions, and consider installing the bonus optional LED light set for enhanced visibility.

MAINTENANCE

Regular maintenance will extend the life and performance of your BlackZon Smyter.

Cleaning

- After each use, especially in dirty or dusty conditions, clean the vehicle.
- Use a soft brush or compressed air to remove dirt and debris from the chassis, suspension, and wheels.
- Wipe down the body with a damp cloth. Avoid using harsh chemicals.
- While the electronics are splashproof, avoid submerging the vehicle in water.

Storage

- Always disconnect the battery from the vehicle before storage.
- Store the vehicle and remote control in a cool, dry place away from direct sunlight and extreme temperatures.
- Remove batteries from the remote control if storing for extended periods.

Component Checks

- **Gears:** Periodically inspect the spur gear and pinion gear for wear or debris. The gear cover helps keep debris away.
- **Suspension:** Check the adjustable coilover shocks and independent double wishbone suspension for any damage or excessive play.
- **Differentials:** The 4-Gear differentials (front & rear) are robust, but occasional inspection for smooth operation is recommended.
- **Bearings:** The vehicle features a complete set of ball bearings. Ensure they spin freely and are not seized by dirt.
- **Steering:** Verify the dual point bell crank steering system and servo saver are functioning correctly.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Vehicle does not respond to remote control.	Vehicle battery low or not connected. Remote control batteries low or incorrectly installed. Vehicle and remote control not bound. Power switches off.	Charge and connect vehicle battery. Replace/install remote control batteries correctly. Perform binding procedure (see Setup section). Ensure both vehicle and remote control are powered on.
Vehicle runs slowly or inconsistently.	Vehicle battery low. Speed switch on remote control set to low. Motor or electronics overheating. Debris in drivetrain.	Recharge vehicle battery. Adjust speed switch to a higher setting. Allow vehicle to cool down. Clean drivetrain components.
Steering is off-center or unresponsive.	Steering trim not adjusted. Damage to steering linkage or servo.	Adjust steering trim on remote control. Inspect steering components for damage and replace if necessary.

SPECIFICATIONS

Feature	Detail
Model Number	BZN540114
Scale	1/12
Drive System	4WD Shaft Drive
Motor Type	Brushed Electric 390 Motor
Battery	Li-Ion 7.4V 1500mAh w/ T-Plug connector
Suspension	Independent Double Wishbone, Adjustable Coilover Shocks
Differentials	4-Gear Differentials Front & Rear
Electronics	Splashproof
Steering System	Dual Point Bell Crank with Servo Saver
Bearings	Complete Set of Ball Bearings
Product Dimensions	145.67 x 98.43 x 0.39 inches
Item Weight	3.17 pounds
Recommended Age	14 months and up (Note: RC vehicles typically have higher age recommendations for operation, this might be a general product age rating)

WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact BlackZon customer service. Refer to the product packaging or the official BlackZon website for the most current contact details.

Protection plans may be available for purchase separately to extend coverage beyond the manufacturer's warranty. Please check with your retailer for details on available protection plans.

