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› DF Models Z-06 XL Buggy 1:12 RTR Instruction Manual

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Model: Z-06 XL Buggy | Brand: DF Models

INTRODUCTION

This manual provides comprehensive instructions for the operation, maintenance, and safety of your DF Models Z-06 XL Buggy. Please read this manual thoroughly before operating the vehicle to ensure safe use and optimal performance. The Z-06 XL Buggy is a 1:12 scale Ready-to-Run (RTR) remote-controlled vehicle designed for off-road and on-road use, featuring 4-wheel drive and capable of high speeds.

Package Contents

- 1x DF Models Z-06 XL Buggy (1:12 scale, RTR)
- 1x Remote Control
- 1x 7.4V 1300mAh LiPo Battery
- 1x USB Charging Cable
- 1x Instruction Manual



Image: The DF Models Z-06 XL Buggy, its remote control, LiPo battery, and USB charging cable, as included in the package.

SAFETY INFORMATION

WARNING: Not suitable for children under 14 years of age. This product is not a toy. Adult supervision is required for operation by minors.

- Always operate the vehicle in open areas, away from people, pets, and obstacles.
- Do not operate near public roads, water, or high-voltage power lines.
- Ensure the battery is fully charged before each use and handle LiPo batteries with care.
- Never leave charging batteries unattended.
- Avoid contact with moving parts to prevent injury.
- Turn off the vehicle and remote control when not in use.
- Store the vehicle and components in a dry, cool place.

SETUP

1. Charging the LiPo Battery

1. Connect the USB charging cable to a compatible USB power source (e.g., computer, USB wall adapter).
2. Connect the LiPo battery to the USB charging cable.
3. Allow the battery to charge fully. The indicator light on the charger will change (refer to charger instructions for specific light patterns).
4. Disconnect the battery once charging is complete.

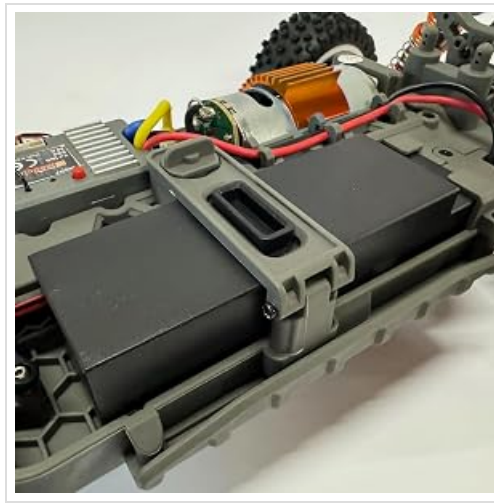


Image: The 7.4V 1300mAh LiPo battery and its dedicated USB charging cable.

2. Installing the Vehicle Battery

1. Carefully remove the body pins to detach the vehicle body.
2. Locate the battery compartment on the chassis.
3. Insert the charged LiPo battery into the compartment.
4. Secure the battery using the provided strap or clip.
5. Connect the battery connector to the vehicle's power connector.
6. Reattach the vehicle body using the body pins.



Image: Close-up of the body pins used to secure the vehicle's shell.

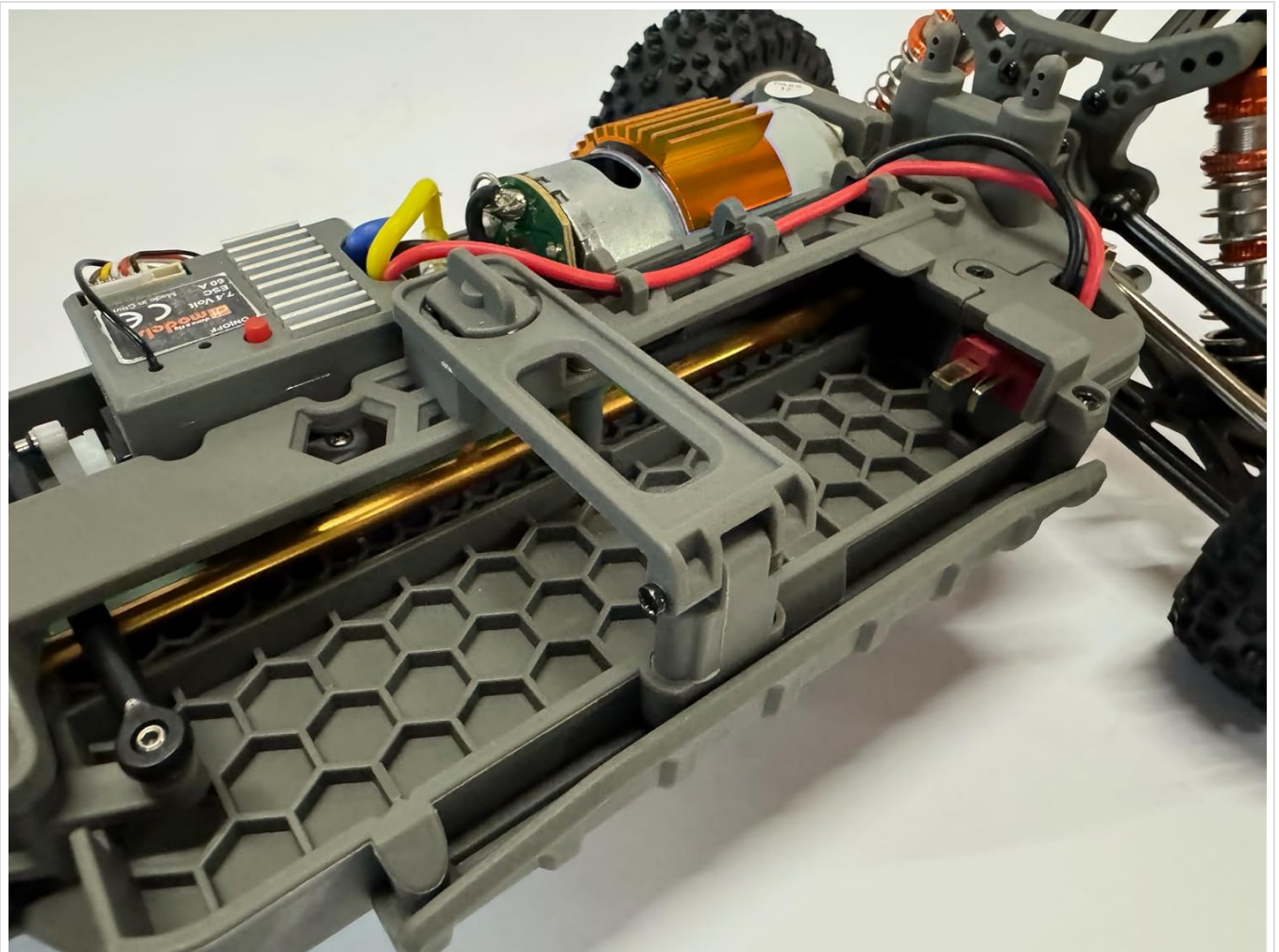


Image: View of the vehicle's chassis, highlighting the battery compartment area.



Image: Detail of the battery connector on the vehicle's chassis.



Image: The LiPo battery correctly installed and secured within the vehicle's chassis.

3. Remote Control Preparation

- Install the required batteries (not specified in JSON, assuming standard AA/AAA) into the remote control.
- Turn on the remote control.
- Turn on the vehicle. The remote control and vehicle should automatically pair. Refer to the remote control's specific

instructions if pairing issues occur.



Image: The ergonomic remote control unit for the Z-06 XL Buggy, featuring a steering wheel and trigger.

OPERATING INSTRUCTIONS

Basic Controls

- **Steering Wheel:** Turn left or right to control the vehicle's direction.
- **Throttle Trigger:** Pull to accelerate forward, push to brake or reverse.
- **Speed Adjustment Dial:** Located on the remote control, this dial allows continuous adjustment of the maximum speed, making it suitable for different skill levels.

Driving Tips

- Start with a lower speed setting, especially if you are a beginner.
- Practice steering and throttle control in an open, safe area.
- Avoid sudden stops or turns at high speeds to prevent rollovers.
- The Super Grip tires are designed for optimal traction on various surfaces, including loose dirt and paved areas.



Image: Side view of the Z-06 XL Buggy, showcasing its aggressive stance and tire tread.



Image: Front view of the Z-06 XL Buggy, highlighting the front suspension and wheel design.

MAINTENANCE

- **Cleaning:** After each use, especially in dirty or dusty conditions, clean the vehicle with a soft brush or compressed air. Avoid using water directly on electronic components.
- **Inspection:** Regularly check for loose screws, damaged parts, or worn tires. Replace any damaged components promptly.
- **Lubrication:** Periodically lubricate moving parts such as drive shafts and suspension pivots with RC-specific lubricant.
- **Battery Care:** Store LiPo batteries in a cool, dry place at a storage charge level (around 3.8V per cell) if not used for extended periods. Never fully discharge or overcharge LiPo batteries.
- **Storage:** When storing the vehicle for an extended period, remove the battery from the vehicle and the batteries from the remote control.



Image: Close-up of the rear suspension, showing the aluminum oil-filled shock absorbers and metal components.



Image: Close-up of the front suspension, detailing the robust construction and shock absorbers.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Vehicle does not respond to remote control.	Low battery in vehicle or remote control; not paired; power switch off.	Charge vehicle battery; replace remote control batteries; ensure both are powered on and paired.
Short operating time.	Battery not fully charged; old battery; aggressive driving style.	Ensure full charge; consider replacing battery; adjust driving style.
Vehicle pulls to one side.	Steering trim incorrect; damaged steering components.	Adjust steering trim on remote control; inspect and replace damaged parts.
Motor runs but wheels do not turn.	Damaged drive shaft or gear.	Inspect drive train components and replace as necessary.

SPECIFICATIONS

Feature	Detail
Model Name	Z-06 XL Buggy
Scale	1:12
Dimensions (L x W x H)	347 x 210 x 125 mm (13.66 x 8.27 x 4.92 inches)
Weight	Approx. 1200 g (2.65 lbs)
Wheelbase	347 mm
Top Speed	Up to 60 km/h (37 mph)
Drive System	4WD (Four-Wheel Drive)
Motor	Powerful Motor (Brushless, implied by speed and 60A ESC)
ESC (Electronic Speed Controller)	60A
Battery	7.4V 1300mAh LiPo Battery
Shock Absorbers	Aluminum Oil-filled
Drive Shafts	Metal
Universal Joints	Metal CVD
Chassis	Honeycomb design for high strength
Tires	Super Grip on disc rims
Recommended Age	14 years and up
Manufacturer Reference	3128

WARRANTY AND SUPPORT

Information regarding specific warranty terms and customer support contacts is not provided in the product description. Please refer to the retailer's return policy or contact the seller directly for warranty claims or technical assistance.

For general inquiries or troubleshooting not covered in this manual, you may also visit the official DF Models website or contact their customer service if available.