Yasola 828

Yasola RC Drone Car Model 828 Instruction Manual

Model: 828

1. Introduction

The Yasola RC Drone Car Model 828 is a versatile 2-in-1 remote control vehicle designed for both ground driving and aerial flight. This manual provides essential instructions for safe operation, setup, and maintenance to ensure an enjoyable experience.

2. Safety Precautions

- **Adult Supervision:** Always ensure adult supervision when children are operating the drone car.
- **Flight Environment:** Operate the drone in open, clear areas, away from people, animals, buildings, and other obstacles. Avoid flying in strong winds or rain.
- **Battery Safety:**
  - Use only the provided charging cable and batteries.
  - Do not overcharge or short-circuit batteries.
  - Do not expose batteries to extreme temperatures or fire.
  - If batteries swell or leak, discontinue use immediately.
- **Propeller Safety:** Keep fingers, hair, and loose clothing away from rotating propellers.
- **Impact Avoidance:** Avoid collisions with objects or people to prevent damage to the drone car and potential injury.
- **Water Exposure:** Do not expose the drone car to water or moisture.

3. Package Contents

Please verify that all items are present in the package:

- 1 x Yasola RC Drone Car (Model 828)
- 1 x Remote Control
- 2 x Lithium Batteries (for drone car)
- 1 x USB Charging Cable
- 4 x Spare Propellers
- 1 x User Manual (this document)

4. Setup Guide

4.1 Battery Installation

For the Drone Car:

1. Locate the battery compartment on the underside of the drone car.
2. Carefully open the battery compartment cover.
3. Connect the drone battery to the drone's power connector.
4. Place the battery inside the compartment and close the cover securely.
5. Use a small screwdriver to turn the battery cover screw to secure it.

Image: Installing the lithium battery into the drone car and securing the cover.

Image: Visual guide for turning on the drone car and remote controller, then connecting the signal.

For the Remote Control:

1. Open the battery compartment on the back of the remote control.
2. Insert 2 LR44 batteries (included) according to the polarity markings.
3. Close the battery compartment.

4.2 Charging the Drone Battery

- Connect the USB charging cable to the drone battery.
- Plug the USB end into a compatible USB power source (e.g., computer, USB wall adapter).
- The indicator light on the USB cable will show charging status (refer to charger for specific light indications).
- Charging typically takes approximately 60-90 minutes. Do not leave unattended while charging.

4.3 Pairing the Remote Control with the Drone Car

1. Ensure the drone car battery is installed and fully charged.
2. Long press the power button on the drone car to turn it on. The LED lights will begin to flash.
3. Turn on the remote control. The indicator light on the remote will flash.
4. Move the left joystick (throttle) on the remote control up and then down. The remote control will beep, and the drone car's lights will become solid, indicating successful pairing.
5. The default mode after pairing is typically Flight Mode.

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Video: Quick guidance on powering on the drone car, installing the battery, and pairing with the remote control. This video demonstrates the initial setup steps.

5. Operating Instructions

5.1 Remote Control Overview

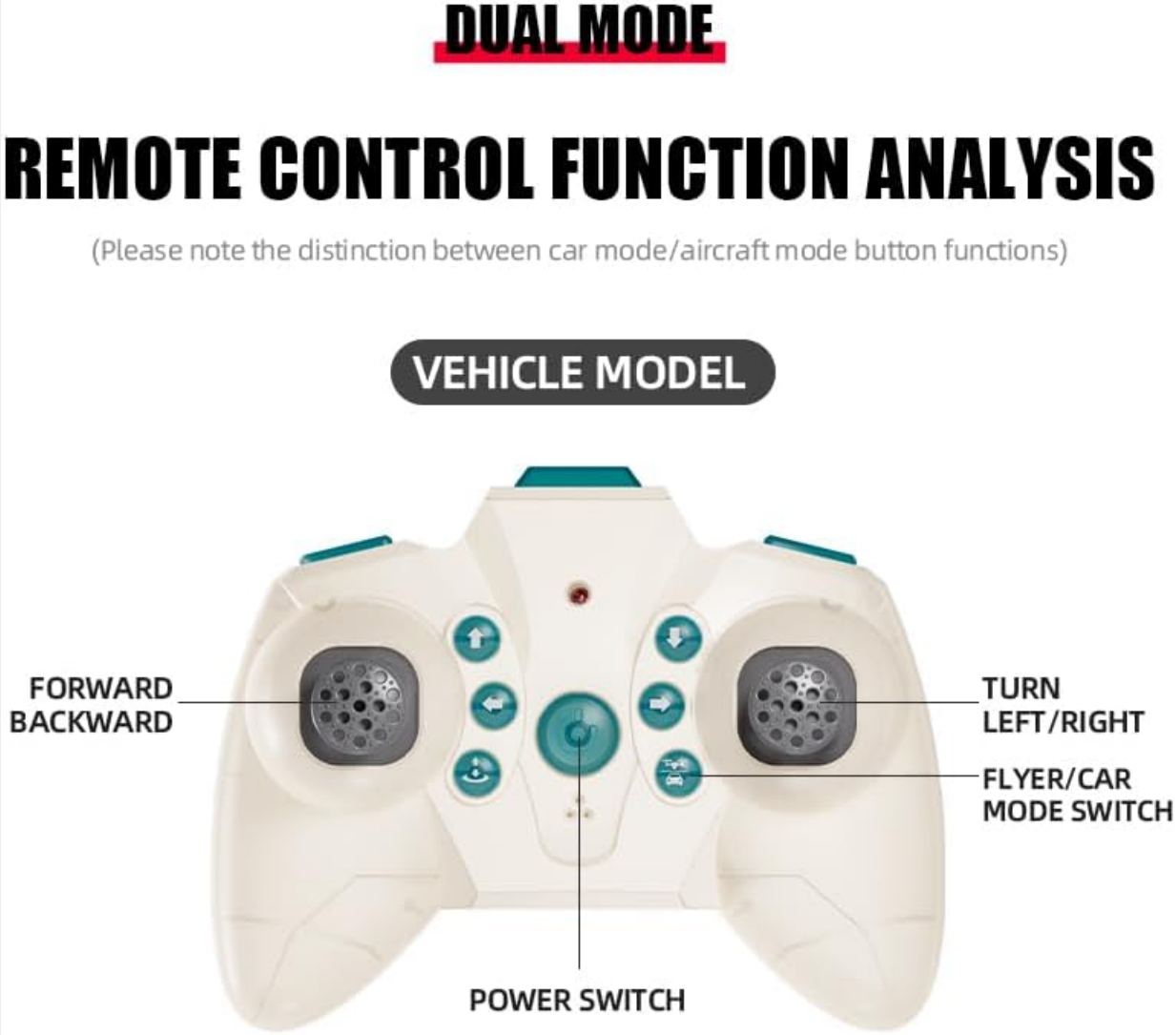

Image: Detailed diagram showing the functions of the remote control in Vehicle Mode, including forward/backward, turn left/right, and the flyer/car mode switch.

The remote control features dual modes for car and flight operation. Familiarize yourself with the controls:

- **Left Joystick (Throttle):** Controls forward/backward movement in car mode, and ascent/descent in flight mode.
- **Right Joystick (Steering/Direction):** Controls left/right turns in car mode, and directional flight (forward, backward, left, right) in flight mode.
- **Mode Switch Button:** Toggles between Flight Mode and Car Mode.

- **One-Key Take Off/Landing Button:** Initiates automatic take-off or landing in flight mode.
- **Speed Shift Button:** Adjusts the speed setting (low/high).
- **Headless Mode Button:** Activates headless mode for simplified flight control.
- **Light Switch Button:** Toggles the LED lights.

5.2 Switching Between Flight Mode and Car Mode

- After pairing, the drone car is typically in Flight Mode.
- To switch to **Car Mode**: Ensure the drone car has landed and propellers have stopped spinning. Press the Mode Switch button on the remote control. The lights on the drone car will turn red to indicate Car Mode.
- To switch to **Flight Mode**: Press the Mode Switch button again. The lights on the drone car will turn blue to indicate Flight Mode.

Image: The Yasola RC Drone Car demonstrating its ability to operate in both Ground Mode (car) and Flight Mode (drone).

5.3 Flight Operations

1. **One-Key Take Off:** With the drone car in Flight Mode, press the One-Key Take Off/Landing button. The drone will automatically ascend to a stable hovering altitude.
2. **Altitude Control:** Push the left joystick up to ascend and down to descend.
3. **Directional Flight:** Push the right joystick forward to fly forward, backward to fly backward, left to fly left, and right to fly right.
4. **Rotation:** Push the left joystick left or right to rotate the drone car.
5. **Speed Adjustment:** Press the Speed Shift button to toggle between low and high-speed modes.
6. **Headless Mode:** Press the Headless Mode button to activate. In this mode, the drone's orientation is relative to the pilot, regardless of the drone's front direction. Press again to exit.
7. **One-Key Landing:** Press the One-Key Take Off/Landing button again to initiate an automatic landing. The drone will slowly descend and land.

Image: The drone car demonstrating its one-click take-off and landing feature, showing it ascending and descending.

Image: The drone car operating in Headless Mode, indicating simplified control regardless of the drone's orientation.

Image: The drone car illustrating its two-step high-low speed adjustment feature.

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Video: Demonstration of various flight controls including take-off, landing, directional movement, rotation, speed shift, and headless mode.

5.4 Car Operations

- **Forward/Backward:** Push the left joystick up to drive forward and down to drive backward.
- **Turning:** Push the right joystick left to turn left and right to turn right.
- **Speed Adjustment:** Press the Speed Shift button to toggle between low and high-speed modes.

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Video: Demonstration of the drone car operating in land mode, showcasing forward, backward, and turning movements.

6. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the drone car. Do not use water or chemical cleaners.

- **Propeller Replacement:** If a propeller is damaged, carefully remove it and replace it with a spare propeller, ensuring correct orientation.
- **Battery Care:**
  - Store batteries in a cool, dry place when not in use.
  - Do not store fully charged or completely depleted batteries for extended periods.
  - Charge batteries at least once every three months to maintain their health.

7. Troubleshooting

Problem	Possible Cause	Solution
Drone car does not respond to remote control.	Not paired; low battery in drone or remote; drone not powered on.	Ensure drone and remote are powered on. Re-pair the remote control (Section 4.3). Charge drone battery. Replace remote control batteries.
Drone car cannot take off or flies unstably.	Low drone battery; damaged propellers; incorrect calibration; operating in windy conditions.	Charge drone battery. Check and replace damaged propellers. Perform "Outer eight calibration" (refer to video demonstration). Operate in calm conditions.
Short flight time (e.g., 3-5 minutes).	Normal battery capacity for mini drones; battery not fully charged.	Ensure battery is fully charged before use. Utilize the second included battery for extended play.
Drone car drifts during flight.	Needs fine-tuning/trimming; environmental factors (e.g., slight breeze).	Use the direction fine-tuning buttons on the remote control to correct drift. Ensure operation in a calm environment.

8. Specifications

- **Brand:** Yasola
- **Model Name:** 828
- **Product Dimensions:** 9.56"L x 5.11"W x 3.54"H
- **Item Weight:** 9.4 ounces (0.59 Pounds)
- **Material:** Plastic
- **Color:** Blue
- **Connectivity Technology:** Remote control 2.4G
- **Battery Capacity:** 600 Milliamp Hours (Lithium Ion)
- **Age Range (Description):** Kid (recommended for ages 8-12)
- **Special Features:** Drone car, UFO, flying and running RC drone, flying car, One-Key Take Off/Landing, LED Lights, 2 Mode Control, Headless Mode, High-Low Speed Shift.

9. Warranty and Support

For warranty information, technical support, or any inquiries regarding your Yasola RC Drone Car Model 828, please refer to the contact information provided on the product packaging or visit the official Yasola website.