

FLYCOLOR C75

FLYCOLOR TurboRC 1:76 Mini Sports Car C75 Instruction Manual

Model: C75 | Brand: FLYCOLOR

1. INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your FLYCOLOR TurboRC 1:76 Mini Sports Car, Model C75. Please read this manual thoroughly before using the product to ensure safe and optimal performance.

2. SAFETY INFORMATION

- **Age Recommendation:** This product is recommended for users aged 14 years and older. It contains small parts which may pose a choking hazard for younger children.
- **Battery Safety:** Use only the specified 3.7V 75mAh LiPo battery. Do not overcharge or discharge the battery. Discontinue use if the battery shows signs of damage or swelling.
- **Operating Environment:** Operate the RC car in open, clear areas, away from people, pets, and obstacles. Avoid operating near water or in wet conditions.
- **Supervision:** Adult supervision is recommended, especially for younger users.
- **Modifications:** Do not modify the product or its components, as this may lead to malfunction or injury and will void the warranty.

3. PACKAGE CONTENTS

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

- 1 x P21 Remote Controller
- 1 x TurboRC 1:76 Mini Sports Car (C75 Black)

- 2 x Unpainted Body Shells
- 1 x USB-C Charging Cable
- 1 x Bind Pin
- 1 x User Manual (this document)



Figure 3.1: The complete product package, including the TurboRC 1:76 Mini Sports Car (C75 model) in black, the P21 remote controller, two unpainted interchangeable body shells, and the retail packaging.

4. PRODUCT OVERVIEW AND FEATURES

The TurboRC C75 is a 1:76 scale mini RC sports car designed for precision control and dynamic performance. Key features include:

- **Adjustable Wheelbase:** The C75 features an original wheelbase of 38.8mm, with the possibility to retrofit to 38.8-41.2mm, accommodating 1:76 to 1:64 scale modifications.
- **High-Speed Motor:** Equipped with a 51000 RPM high-speed motor, providing a 50% increase in overall power compared to standard flat running series.
- **Advanced Throttle Curve (THR-Curve upgrade 3.0):** Delivers linear power output for precise control on curves and a dynamic feel on straight tracks.
- **High Simulation Lighting:** Features realistic headlights with a spotlight effect and double flash function. LED lights are integrated into the chassis, controllable via Channel 3.
- **Simulated Turn Signals and Brake Lights:** Turn signals link with steering, and brake lights illuminate brightly

upon braking.

- **Removable Body Shells:** The car body shell is removable, and two additional unpainted shells are included for customization.
- **75mAh Pluggable LiPo Battery:** A high-performance 3.7V 75mAh LiPo battery with a pluggable design for easy replacement.
- **USB-C Charging:** Convenient charging via the included USB-C cable.
- **New TC04 Chassis:** Designed for improved speed, stability, and responsiveness.
- **2.4GHz FHSS Remote Control:** Provides a stable and interference-free connection with a control distance of up to 30 meters.
- **Proportional Control:** Offers full proportional steering and throttle for precise handling.



Figure 4.1: The C75 model features an adjustable wheelbase, allowing modification from its original 38.8mm to a range of 38.8mm to 41.2mm, accommodating 1:76 to 1:64 scale retrofits.

“King of the Curves”

Speed increase

THR-Curve upgrade 3.0

The C75 high-speed motor has a speed of 51000, which increases the overall power by 50% compared to the flat running series. The new throttle curve gives the C75 a "flying" feeling on straight tracks, and the power output on curves is extremely linear.



Figure 4.2: Equipped with a 51000 RPM high-speed motor, the C75 offers a 50% power increase over standard models. The advanced throttle curve (THR-Curve upgrade 3.0) provides linear power delivery, enhancing control during turns and a dynamic feel on straightaways.

High simulation headlights, LED lighton chassis

The high simulation headlights have a spotlight effect and the double flash function.
The chassis lamp can be controlled by Channel 3.



Figure 4.3: The C75 features high-simulation headlights with a spotlight effect and a double flash function. Additionally, LED lights are integrated into the chassis, controllable via Channel 3 on the remote.

Simulated turn signal Emergency flasher

Simulate turn signal, turn signal and steering linkage; Simulated taillights; When braking, the brake lights are highlighted.



Figure 4.4: The vehicle includes simulated turn signals that link with steering input, and functional taillights. Brake lights illuminate brightly when braking, enhancing realism.

DIY removable car shell

Removable car shell design, set includes
2 original color car shells, DIY your own
small car!

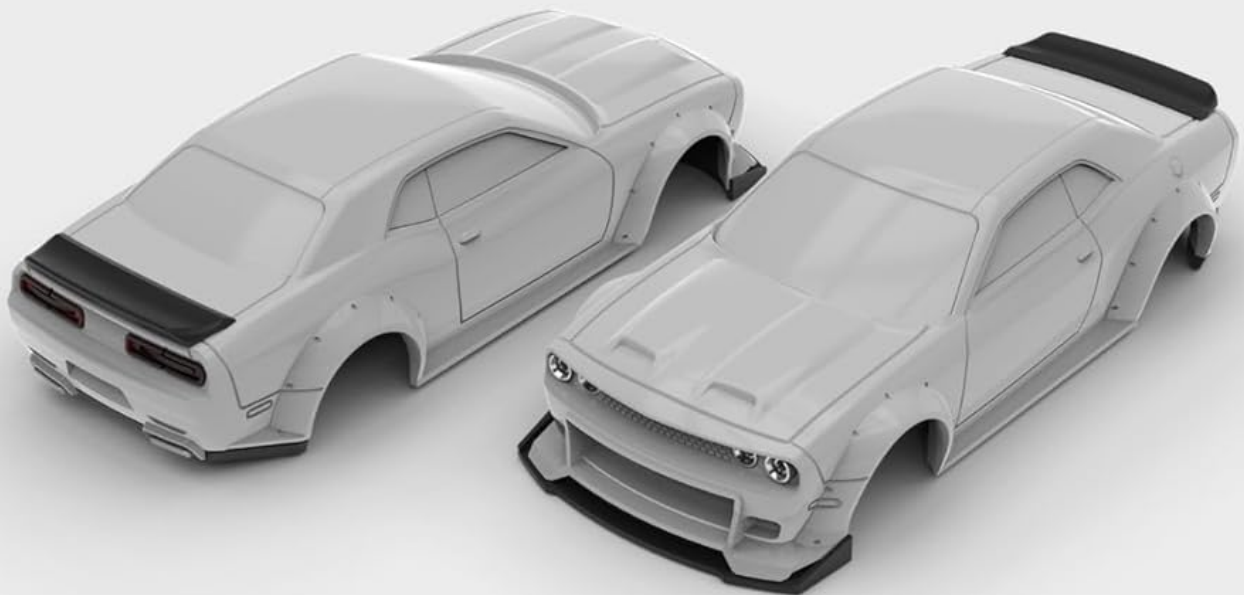


Figure 4.5: The C75 features a removable body shell design. The package includes two additional unpainted shells, allowing for customization.

75mAh high performance lithium battery, pluggable design

Battery in a swappable design with increased capacity of 75mAh; Type-C charging port.

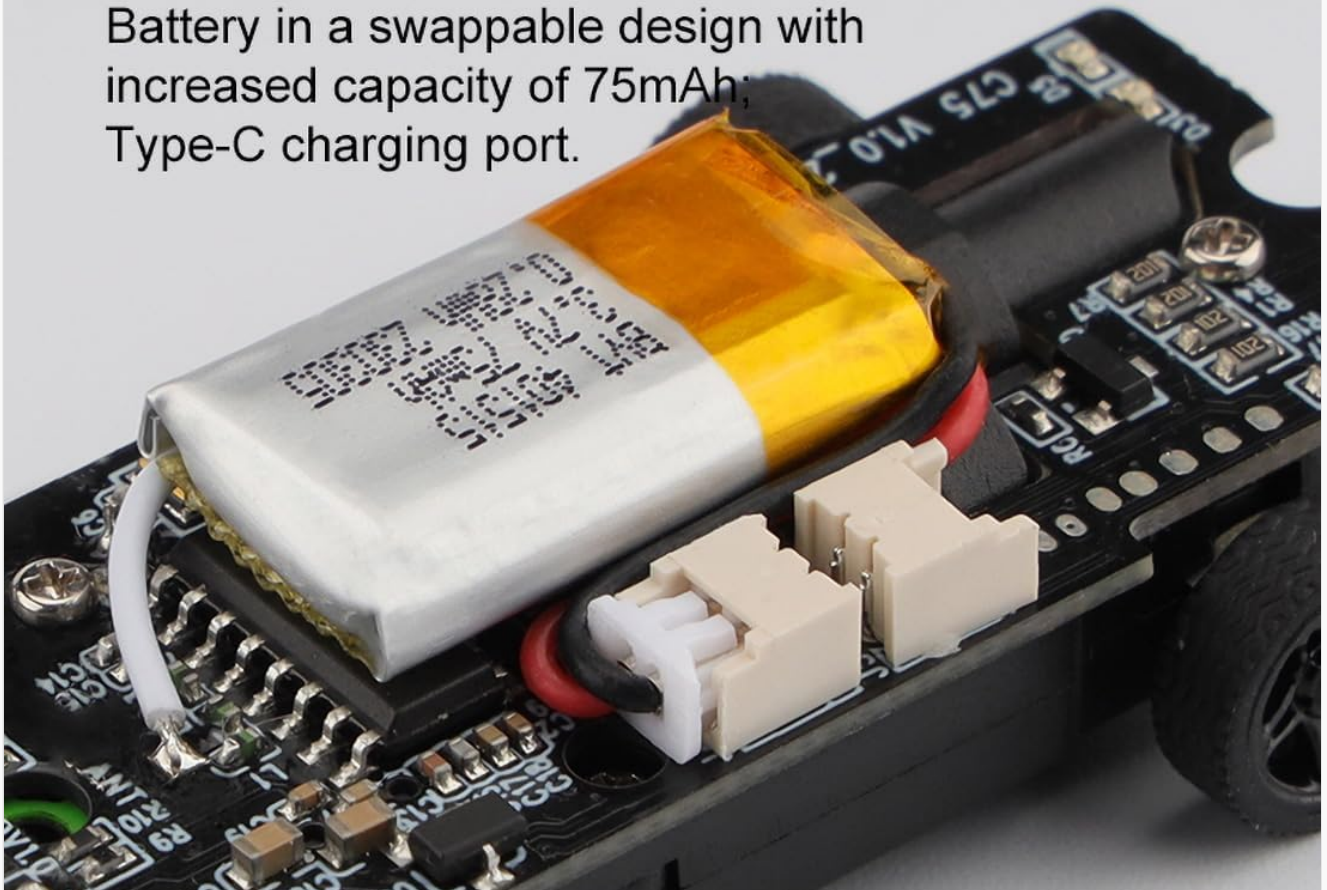


Figure 4.6: The car is powered by a 75mAh high-performance LiPo battery, featuring a pluggable design for easy replacement. Charging is facilitated via a Type-C port.

5. SETUP

5.1. Battery Installation

- **RC Car Battery:** The 3.7V 75mAh LiPo battery is typically pre-installed or easily pluggable into the car's circuit board. Ensure it is securely connected.
- **Remote Controller Batteries:** The P21 remote controller requires 4 x AAA batteries (not included). Open the battery compartment on the back of the remote, insert the batteries according to the polarity indicators, and close the compartment.

5.2. Charging the RC Car Battery

1. Connect the included USB-C charging cable to the Type-C port on the RC car.
2. Plug the other end of the USB-C cable into a standard USB power source (e.g., computer USB port, USB wall

adapter).

3. The charging indicator (if present) on the car or cable will show the charging status. Charging typically takes approximately 30 minutes for a full charge, providing up to 30 minutes of playtime.
4. Disconnect the cable once charging is complete.

5.3. Binding the Remote Controller to the RC Car

If the car and remote are not paired, follow these steps:

1. Ensure both the RC car and the remote controller are powered off.
2. Turn on the remote controller.
3. Turn on the RC car.
4. If the car and remote do not automatically bind, use the included bind pin to press the bind button on the RC car (refer to the car's circuit board for the exact location, usually a small button labeled 'BIND').
5. Observe the indicator lights on both the car and remote. A solid light typically indicates a successful bind.
6. Test the steering and throttle to confirm functionality.

6. OPERATION

6.1. Remote Control Functions (P21 Controller)

The P21 remote controller features proportional steering and throttle for precise control. Familiarize yourself with its layout:

- **Steering Wheel:** Controls left and right steering.
- **Throttle Trigger:** Pull to accelerate forward, push to brake/reverse.
- **Trim Function:** Adjusts the neutral position of steering or throttle to ensure the car drives straight when the controls are centered.
- **Steering Reverse (REV):** Reverses the steering direction if needed.
- **Channel 3 Button/Switch:** Controls the LED chassis lights (on/off or mode change).
- **Power Switch:** Turns the remote controller on/off.

6.2. Driving Tips

- Start slowly to get a feel for the proportional controls.
- Practice steering and throttle inputs in an open area before attempting complex maneuvers.
- The C75's advanced throttle curve provides linear power; use gentle inputs for smooth acceleration and deceleration.
- Experiment with the trim functions to fine-tune steering and ensure straight-line driving.

7. MAINTENANCE

7.1. Cleaning

- Regularly clean the car to remove dust, dirt, and debris. Use a soft brush or compressed air.
- Avoid using water or harsh chemicals, as these can damage electronic components.

- Pay attention to the wheels and axles to ensure smooth operation.

7.2. Body Shell Replacement

To replace the body shell:

1. Gently detach the current body shell from the chassis. It is typically held by small clips or magnets.
2. Align the new body shell with the chassis and press down firmly until it clicks into place or secures properly.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Car does not respond to remote.	Low battery in car or remote; Not bound; Out of range; Interference.	Charge car battery, replace remote batteries; Re-bind car and remote; Operate within 30m range; Move to an area with less interference.
Car drives crooked.	Steering trim not adjusted; Damaged steering components.	Adjust steering trim on the remote controller; Inspect for physical damage.
Car loses power or stops intermittently.	Low car battery; Loose battery connection; Motor overheating.	Recharge car battery; Check battery connection; Allow car to cool down.
Lights not working.	Channel 3 not activated; Wiring issue.	Ensure Channel 3 is activated on the remote; Check for loose wires (if accessible).

9. SPECIFICATIONS

Feature	Detail
Model Name	C75 Black RC Car
Scale	1:76
Frequency	2.4GHz
Car Dimensions (L*W*H)	67.5 x 28.8 x 19.5 mm (approx. 2.66 x 1.13 x 0.77 inches)
Car Net Weight	17.5g
Control Distance	30 meters
Playing Time	Up to 30 minutes
Car Battery	3.7V 75mAh LiPo (included)
Charging Port	USB-C
Remote Controller Model	P21

Feature	Detail
Remote Controller Channels	4CH
Remote Controller Battery	4 x AAA (not included)
Remote Controller Dimensions	171 x 138 x 73 mm
Manufacturer Recommended Age	14 years and up
Manufacturer	FLYCOLOR (Shenzhen HuaheRui Electronics Co., Ltd)

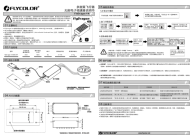


10. WARRANTY AND SUPPORT




For warranty information, technical support, or inquiries regarding your TurboRC C75 Mini Sports Car, please refer to the official manufacturer's website or contact their customer service.
Official Website: www.turboracing.net
Please retain your proof of purchase for any warranty claims.



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Related Documents - C75

	<p>Flycolor FlyDragon V4 Multi-Rotor Brushless ESC User Manual</p> <p>Comprehensive user manual for the Flycolor FlyDragon V4 Multi-Rotor Brushless ESC, featuring STM32F051 MCU, ASCF technology, and 14S LiPo support. Includes operation instructions, throttle calibration, timing settings, protection features, and troubleshooting guide for optimal performance in multi-rotor applications.</p>
	<p>CIDOO C75 Magnetic Keyboard User Manual and Configuration Guide</p> <p>Comprehensive guide to the CIDOO C75 75% Wired Magnetic Keyboard, covering default hotkeys, multimedia functions, software configuration for trigger settings, and rapid trigger modes. Learn how to customize your keyboard for optimal performance.</p>
	<p>JetWave Electric Hydrofoil Surfboard User Manual</p> <p>Comprehensive user manual for the JetWave Electric Hydrofoil Surfboard, detailing setup, operation, safety guidelines, and troubleshooting for various models.</p>

 <p>The image shows the front cover of the POCO C75 Quick Start Guide. It features a white background with a black POCO logo at the top. Below the logo is a stylized illustration of the POCO C75 smartphone, displaying the time '02:48' and the date 'WED 10/10/24'. To the right of the phone, there are three small circular icons. Below the phone, there is a small illustration of the POCO C75 smartphone box. At the bottom, the text 'POCO C75' and 'Ghid de inițiere rapidă' are visible.</p>	<p>POCO C75 Ghid de Inițiere Rapidă: Configurare, Siguranță și Reglementări</p> <p>Ghid complet pentru POCO C75, acoperind configurarea inițială, informații esențiale de siguranță, instrucțiuni de încărcare, conformitatea cu reglementările UE și FCC, și specificații tehnice.</p>
 <p>The image shows the front cover of the POCO C75 Quick Start Guide. It features a white background with a black POCO logo at the top. Below the logo is a stylized illustration of the POCO C75 smartphone, displaying the time '02:48' and the date 'WED 10/10/24'. To the right of the phone, there are three small circular icons. Below the phone, there is a small illustration of the POCO C75 smartphone box. At the bottom, the text 'POCO C75' and 'Quick Start Guide' are visible.</p>	<p>POCO C75 Quick Start Guide</p> <p>This document provides a quick start guide for the POCO C75 smartphone, covering setup, safety information, and regulatory compliance.</p>
 <p>The image shows the front cover of the POCO C75 Vodič za brzi početak. It features a white background with a black POCO logo at the top. Below the logo is a stylized illustration of the POCO C75 smartphone, displaying the time '02:48' and the date 'WED 10/10/24'. To the right of the phone, there are three small circular icons. Below the phone, there is a small illustration of the POCO C75 smartphone box. At the bottom, the text 'POCO C75' and 'Vodič za brzi početak' are visible.</p>	<p>POCO C75 Vodič za brzi početak</p> <p>Ovaj vodič za brzi početak za POCO C75 pametni telefon pruža osnovne upute za postavljanje, sigurnosne informacije, detalje o punjenju i regulatorne napomene. Saznajte kako sigurno koristiti svoj uređaj.</p>