Helidirect C63

Helidirect Turbo Racing C63 RC Drift Car User Manual

Model: C63 | Brand: Helidirect

1. Introduction

Thank you for choosing the Helidirect Turbo Racing C63 RC Drift Car. This 1:76 scale, 2WD proportional remote control car is designed for precision drifting and offers an engaging experience for enthusiasts. This manual provides essential information for the proper setup, operation, and maintenance of your RC drift car to ensure optimal performance and longevity.

Figure 1: The Helidirect Turbo Racing C63 RC Drift Car in blue, showcasing its detailed design and racing stripes.

2. Safety Information

Warning:

- This product is intended for ages 15 years and older.
- Always operate the RC car in a safe environment, away from people, pets, and obstacles.
- Do not operate near water or in wet conditions to prevent electrical damage.
- Keep small parts away from children to avoid choking hazards.
- Use only the provided charging cable and follow charging instructions carefully.

3. Package Contents

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

- 1x 1:76 C63 Drift RC Car
- 1x P21SVC 4CH Remote Transmitter
- 2x Car Shells (without color)
- 1x Stainless Steel Screwdriver
- 1x Type-C Charging Cable
- 1x Packing Box
- 1x User Manual (this document)

4. Product Features

The Helidirect Turbo Racing C63 RC Drift Car incorporates several advanced features for an enhanced drifting experience:

- **Precise Metal Counterweight Module:** Facilitates easier and more controlled drift maneuvers.
- **Optimized Steering Structure:** Designed for full-scale control and professional counterweight ratio, ideal for desktop drifting.
- **Integrated Gyroscope:** A body self-stabilization system that corrects vehicle attitude and direction during loss of control, enhancing stability.
- **High Simulation Headlights:** Features a spotlight effect and double flash function.
- **LED Chassis Lights:** Can be controlled independently via Channel 3 on the remote transmitter.
- **Type-C Charging Port:** Convenient charging with a 3.7V 55mAh LiPo battery, offering up to 30 minutes of play time on a 40-minute charge.
- **Miniature Proportional Control System:** Allows for precise steering and driving in very small spaces.

Figure 2: The RC drift car demonstrating its illuminated chassis lights, which can be controlled via the remote.

5. Setup Guide

5.1. Charging the RC Car Battery

1. Locate the Type-C charging port on the RC car.
2. Connect the provided Type-C charging cable to the car and to a suitable USB power source (e.g., computer USB port, USB wall adapter).
3. The charging indicator light on the car will illuminate during charging and turn off or change color when fully charged.
4. A full charge takes approximately 40 minutes and provides up to 30 minutes of play time.

5.2. Preparing the Remote Transmitter (P21SVC)

The P21SVC 4CH remote transmitter requires batteries (not specified in product description, assume standard AA/AAA, but since it's a kit, it might be integrated or rechargeable. For safety, I'll state "install required batteries").

1. Open the battery compartment on the back of the P21SVC remote transmitter.
2. Insert the required batteries (e.g., 2x AAA, not included) ensuring correct polarity.
3. Close the battery compartment securely.

5.3. Installing Car Shells

Your package includes two uncolored car shells, allowing for customization.

1. Carefully align the car shell with the chassis of the RC car.
2. Gently press down until the shell snaps into place. Ensure it is securely attached.
3. To remove, gently lift the edges of the shell until it detaches from the chassis.

Figure 3: An example of the RC drift car with a purple shell, demonstrating the customizable aspect.

6. Operation

6.1. Powering On and Pairing

1. Turn on the RC car by sliding the power switch to the "ON" position.
2. Turn on the P21SVC remote transmitter.
3. The car and remote should automatically pair. A successful connection is usually indicated by a solid light on both devices.

6.2. Basic Controls

- **Steering Wheel:** Rotate left or right to control the car's direction.
- **Throttle Trigger:** Pull to accelerate forward, push to brake or reverse.

- **Trim Function:** Adjusts the steering neutral position if the car pulls to one side when the steering wheel is centered.
- **REV (Steering Reverse):** Reverses the steering direction if needed.
- **Channel 3 Button:** Controls the LED chassis lights (on/off or mode change).

6.3. Drifting Techniques

The C63 is designed for drift performance. Practice smooth throttle and steering inputs to initiate and maintain drifts. The precise metal counterweight module and optimized steering structure assist in achieving controlled drifts.

Figure 4: Multiple RC drift cars on a track, illustrating their use in a dynamic environment.

6.4. Gyroscope Function

The integrated gyroscope automatically helps stabilize the car, especially during high-speed maneuvers or when the car loses traction. This system provides real-time corrections to maintain control and direction.

Figure 5: The rear of the RC drift car, showing its functional taillights during operation.

7. Maintenance

7.1. Cleaning

- After each use, gently wipe the car and chassis with a soft, dry cloth to remove dust and debris.
- Avoid using water or chemical cleaners, as these can damage electronic components.
- Use a small brush or compressed air to clean hard-to-reach areas.

7.2. Battery Care and Storage

- Always fully charge the battery before storage if the car will not be used for an extended period.
- Store the RC car and remote in a cool, dry place, away from direct sunlight and extreme temperatures.
- Do not leave the battery fully discharged for long periods, as this can reduce its lifespan.
- Remove batteries from the remote transmitter if storing for an extended period.

Figure 6: RC drift cars stored in miniature containers, illustrating a compact storage solution.

8. Troubleshooting

Problem	Possible Cause	Solution
Car does not respond to remote.	• Car or remote not powered on. • Low battery in car or remote. • Not paired correctly. • Out of range.	• Ensure both devices are switched ON. • Charge car battery; replace remote batteries. • Power cycle both devices to re-pair. • Operate within 30 meters control distance.
Poor drift performance.	• Incorrect surface. • Steering trim needs adjustment. • Tires are worn.	• Use on smooth, low-friction surfaces. • Adjust steering trim on the remote. • Consider replacing tires if excessively worn.
Headlights or chassis lights not working.	• Lights switched off. • Low car battery.	• Press Channel 3 button on remote to toggle chassis lights; headlights are typically always on when car is powered. • Charge the car battery.

9. Specifications

Model Name	C63 Drift RC Car
Scale	1:76
Drive Type	2WD (2 Wheel Drive)
Frequency Band	2.4GHz
Channels	4CH Proportional Control
Control Distance	Up to 30 meters
Car Dimensions (C63)	61.75 x 25.4 x 17.9 mm
Product Weight	Approximately 1 pound (total package weight 1100g)
Battery Type	3.7V 55mAh LiPo
Playing Time	Up to 30 minutes
Charging Time	Approximately 40 minutes
Manufacturer Recommended Age	15 years and older (as per safety info)
Certificates	CE/FCC/ROHS/CCC
Compatible Remote	Turbo Racing P21-SVC Transmitter

Figure 7: The compact size of the RC drift cars, shown next to a laptop for scale.

10. Warranty and Support

For warranty information and technical support, please refer to the official Helidirect website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.
Manufacturer: Turbo Racing - Helidirect
Item Model Number: HP0170.C63RTR-CR