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Turbo Racing P30

Turbo Racing P30 2.4G RC Car Transmitter and Receiver Set

Instruction Manual

1. INTRODUCTION

Thank you for purchasing the Turbo Racing P30 2.4G RC Car Transmitter and Receiver Set. This product is designed for precise control of RC cars and boats, offering reliable performance and a detachable design for convenient storage. This manual provides essential information for safe and effective use of your new device. This Turbo Racing product is a technically certified genuine product, ensuring compliance with radio wave laws for your peace of mind. (Compliance certification number: 214-112920)

2. SAFETY PRECAUTIONS

- Always operate the transmitter in a safe environment, away from people, animals, and obstacles.
- Ensure the batteries are inserted with correct polarity. Incorrect battery insertion can damage the device.
- Do not expose the transmitter or receiver to water or extreme temperatures, unless specified for the waterproof receiver.
- Keep the device out of reach of small children.
- If the device does not power on or function correctly, first check battery installation and connections before attempting further troubleshooting.

3. PACKAGE CONTENTS

Upon opening your package, please verify that all the following items are included:

- 1x Turbo Racing P30 Transmitter
- 1x 4CH RX41 Waterproof Receiver



Image: The Turbo Racing P30 transmitter shown alongside the compact RX41 waterproof receiver, illustrating the complete set.

4. PRODUCT OVERVIEW

4.1. Transmitter Features

- 3-Channel Control (CH1, CH2, CH3)
- Detachable Grip for Easy Storage
- D/R (Dual Rate) Function for Throttle and Steering
- REV (Reverse) Function
- TRIM Function for Fine Adjustments
- Fail-Safe Function
- Low Voltage Warning (below 4.5V)



Image: A detailed view of the control panel on the Turbo Racing P30 transmitter, showing the CH3 button, TRIM dials, D/R buttons for steering (ST) and throttle (TH), REV button, and the ON/OFF switch.

4.2. Receiver Features

- 4-Channel (RX41)
- Waterproof Design
- 2.4G Frequency

**防水レシーバー**

HIGH EFFICIENCY AND WATERPROOF

Image: A close-up of the Turbo Racing RX41 waterproof receiver, highlighting its compact size and connection ports. The label indicates "4ch Receiver 2.4G Waterproof".

5. SETUP

5.1. Installing Transmitter Batteries

1. Locate the battery compartment on the bottom of the transmitter grip.
2. Open the battery cover.
3. Insert four (4) 1.5V AAA batteries (sold separately) into the compartment, ensuring correct polarity (+/-).
4. Close the battery cover securely.

5.2. Attaching the Detachable Grip

The transmitter features a detachable grip for easier storage. To attach the grip:

1. Align the grip with the main body of the transmitter.
2. Slide the grip firmly into place until it clicks, ensuring a secure connection.



Image: The Turbo Racing P30 transmitter with its grip detached, demonstrating the modular design for compact storage.

5.3. Connecting the Receiver

Connect the RX41 receiver to your RC car or boat's electronic speed controller (ESC) and steering servo according to your vehicle's instructions. Ensure the channels are connected correctly (e.g., CH1 for steering, CH2 for throttle).

6. OPERATING INSTRUCTIONS

6.1. Powering On/Off

1. Ensure the transmitter batteries are installed and the grip is securely attached.
2. Turn on the transmitter using the ON/OFF switch located on the control panel.
3. Power on your RC vehicle. The transmitter and receiver should automatically bind.
4. To power off, first turn off your RC vehicle, then turn off the transmitter.

6.2. Basic Control

- **Steering Wheel:** Rotate the steering wheel left or right to control the direction of your RC vehicle.
- **Throttle Trigger:** Pull the trigger towards you to accelerate forward. Push the trigger away from you to brake or reverse.



Image: An overhead view of the Turbo Racing P30 transmitter, showing the ergonomic design and the placement of the steering wheel and throttle trigger.

7. ADJUSTMENTS

7.1. D/R (Dual Rate) Function

The D/R function allows you to adjust the maximum steering angle and throttle output. This is useful for tailoring the vehicle's response to different driving conditions or skill levels.

- Use the **DR ST** buttons to adjust steering dual rate.
- Use the **DR TH** buttons to adjust throttle dual rate.

7.2. TRIM Function

Trim adjustments are used to fine-tune the neutral position of the steering and throttle channels, ensuring the vehicle tracks straight and remains stationary when the controls are at rest.

- Use the **TRIM ST** buttons to adjust steering trim.
- Use the **TRIM TH** buttons to adjust throttle trim.

7.3. REV (Reverse) Function

The REV function reverses the direction of a channel's output. This is typically used to correct the steering or throttle direction if it's opposite to what is desired.

- Press the **REV** button to reverse the steering or throttle channel.

8. FAIL-SAFE FUNCTION

The Fail-Safe function is a safety feature that automatically sets the throttle to a neutral or brake position if the signal between the transmitter and receiver is lost. This prevents the RC vehicle from running out of control.

- The P30 transmitter and RX41 receiver are equipped with a Fail-Safe function.
- Refer to your RC vehicle's ESC manual for specific Fail-Safe setup procedures, if applicable.

9. MAINTENANCE

- Clean the transmitter and receiver with a soft, dry cloth. Do not use solvents or harsh chemicals.
- Remove batteries from the transmitter if it will not be used for an extended period to prevent leakage.
- Store the device in a cool, dry place, away from direct sunlight and extreme temperatures.

10. TROUBLESHOOTING

Problem	Possible Cause	Solution
Transmitter does not power on.	Batteries are dead or incorrectly installed.	Replace batteries or check polarity. Ensure the detachable grip is securely attached.
No control response from vehicle.	Transmitter and receiver not bound; receiver not powered; incorrect connections.	Ensure both transmitter and receiver are powered on. Check all connections between receiver, ESC, and servo. Re-bind if necessary (refer to receiver binding instructions, if applicable).
Vehicle moves erratically or not straight.	Trim settings are off; D/R settings too high/low.	Adjust steering and throttle trim. Adjust D/R settings as needed.
Low voltage warning.	Transmitter battery voltage is low (below 4.5V).	Replace transmitter batteries immediately.

11. SPECIFICATIONS

Feature	Specification
Brand	Turbo Racing

Feature	Specification
Model	P30 Transmitter, RX41 Receiver
Color	Black
Dimensions (Transmitter)	137.0 x 162.3 x 68.6 mm
Net Weight (Transmitter)	129g
Channels	3CH (Transmitter), 4CH (Receiver)
Input Voltage	6V DC (4x 1.5V AAA batteries, sold separately)
Control Distance	Approx. 120m
Low Voltage Warning	Below 4.5V
D/R Function	Throttle and Steering
ABS Function	Yes
REV Function	Yes
TRIM Function	Yes
Fail-Safe Function	Yes
Application	RC Car, Boat

12. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the official Turbo Racing website or contact your retailer. Keep your purchase receipt as proof of purchase.

For additional resources and product updates, visit the [ARRISHOBBY Store on Amazon](#).