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› WANGCL 91803G RC Transmitter and RX41 Receiver Kit User Manual

WANGCL INB25746

WANGCL 91803G RC Transmitter and RX41 Receiver Kit User Manual

Model: 91803G Transmitter, RX41 Receiver (Part No. INB25746)

1. INTRODUCTION

This manual provides detailed instructions for the WANGCL 91803G RC Transmitter and RX41 Receiver Kit. This 3-channel 2.4GHz remote control system is designed for RC cars and boats, offering stable signal transmission and a range of up to 120 meters. It features an ergonomic pistol grip design for comfortable handling.



Image 1.1: WANGCL 91803G RC Transmitter and RX41 Receiver Kit.

2. SAFETY INFORMATION

- Always operate your RC vehicle in a safe and open area, away from people, pets, and obstacles.
- Ensure batteries are correctly installed and charged before use.
- Do not operate the RC system in wet conditions unless explicitly stated as waterproof. (Note: RX41 receiver is waterproof, but transmitter is not).
- Keep the transmitter and receiver away from extreme temperatures and direct sunlight.
- Adult supervision is recommended for children operating RC vehicles.
- Disconnect batteries from the RC vehicle and transmitter when not in use.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1x WANGCL 91803G RC Transmitter

- 1x WANGGL RX41 RC Receiver

Note: 4x AAA batteries for the transmitter are not included and must be purchased separately.

4. PRODUCT FEATURES

- **Stable 2.4GHz Signal:** Advanced 2.4GHz remote control technology provides a stable signal and allows for a 120-meter control distance, supporting multiple users simultaneously without interference.
- **Intelligent VT System:** Supports one-way wireless control with the included wireless receiver.
- **Detachable Handle:** The transmitter features a detachable handle for improved portability and ease of storage.
- **Waterproof RX41 Receiver:** The RX41 receiver is sealed to protect against water droplets, water sources, and water vapor, ensuring reliable performance in various conditions.
- **Versatile Functions:** Includes a low voltage alarm, center trim adjustment for steering and throttle, and a REV (reverse) function.
- **Ergonomic Design:** Pistol grip configuration and steering wheel are designed for comfortable and intuitive control, suitable for beginners.



Image 4.1: The RX41 receiver is designed with good sealing performance to block external water droplets, water sources, and water vapor, providing a high level of waterproofing for confident use.

5. SETUP

5.1. Transmitter Battery Installation

1. Locate the battery compartment on the bottom of the transmitter handle.
2. Slide open the battery compartment cover.
3. Insert 4x AAA batteries (not included) into the compartment, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

5.2. Receiver Installation and Binding

1. Install the RX41 receiver into your RC car or boat according to your vehicle's instructions. Ensure it is securely mounted and the antenna is positioned for optimal signal reception.
2. Connect the receiver to your vehicle's ESC (Electronic Speed Controller) and steering servo.
3. **Binding Procedure:**
 - Turn on the transmitter.
 - Power on your RC vehicle (which powers the receiver).

- The transmitter and receiver should automatically bind. If not, consult the specific binding instructions for your ESC or vehicle, or look for a bind button/port on the receiver.
- Once bound, the LED indicator on the receiver should show a solid light.

6. OPERATING INSTRUCTIONS

6.1. Basic Controls

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

6.2. Advanced Functions

6.2.1. Low Voltage Alarm

The transmitter is equipped with a low voltage alarm. When the battery voltage drops below 4.5V, the LED light on the transmitter will flash, and an audible beep will sound, indicating that the batteries need to be replaced.

REV function



REV Adjustment:

Pull ST to the left or right to the end and do not move; press REV for about 5 seconds to reverse the ST direction

Pull TH forward to the end or back to the end and do not move, press REV for about 5 seconds to reverse the TH direction

2.4GHz FHSS

TRIM

Image 6.1: The transmitter's LED flashes and beeps when battery voltage is below 4.5V.

6.2.2. REV Function (Reverse Direction Adjustment)

The REV function allows you to reverse the direction of the steering (ST) or throttle (TH) channels if they are operating in the opposite direction to your input.

- **To reverse Steering (ST) direction:** Pull the steering wheel fully to the left or right and hold it. Press the "REV" button for approximately 5 seconds.
- **To reverse Throttle (TH) direction:** Pull the throttle trigger fully forward (brake/reverse) or fully back (accelerate) and hold it. Press the "REV" button for approximately 5 seconds.



Image 6.2: Location of the REV button on the transmitter for adjusting steering and throttle direction.

6.2.3. Center Fine-Tuning (Trim Adjustment)

This function is used to fine-tune the center position for steering (ST) and throttle (TH) to ensure the vehicle tracks straight and stops neutrally when controls are released.

- **Throttle Trim (TH TRIM):** To adjust the maximum throttle angle (forward/reverse), pull the throttle trigger fully forward or backward and hold it. Press the "TRIM+" or "TRIM-" buttons associated with TH to increase or decrease the maximum throw.
- **Steering Trim (ST TRIM):** To adjust the maximum steering angle (left/right), turn the steering wheel fully left or right and hold it. Press the "TRIM+" or "TRIM-" buttons associated with ST to increase or decrease the maximum throw.

Center fine-tuning

This function is used for steering (D/R), throttle fine-tuning



Pull TH forward to the end or backward to the end and do not move, press the TRIM+, TRIM- buttons to adjust the maximum TH angle to increase or decrease

ST turns left to the end and does not move, turns right to the end and does not move, press the TRIM+, TRIM- buttons to adjust the maximum ST angle to increase or decrease



Image 6.3: Trim buttons for steering (ST) and throttle (TH) adjustment.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the transmitter and receiver. Avoid using harsh chemicals or solvents.
- **Battery Care:** Remove AAA batteries from the transmitter if it will not be used for an extended period to prevent leakage.
- **Storage:** Store the transmitter and receiver in a cool, dry place, away from direct sunlight and moisture.

- **Receiver Waterproofing:** While the RX41 receiver is waterproof, it is recommended to avoid prolonged submersion and to dry it thoroughly after exposure to water.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power to transmitter	Dead or incorrectly installed AAA batteries.	Replace batteries with new ones, ensuring correct polarity.
Vehicle not responding to transmitter	Not bound, out of range, or receiver not powered.	Perform binding procedure. Ensure vehicle and transmitter are within 120m range. Check receiver power connection.
Steering/Throttle operates in reverse	Channel direction is reversed.	Use the REV function to adjust the channel direction (see Section 6.2.2).
Vehicle drifts or doesn't stop centrally	Trim settings are off.	Adjust the ST TRIM or TH TRIM settings (see Section 6.2.3).
Transmitter beeps and LED flashes	Low voltage alarm activated.	Replace the AAA batteries in the transmitter immediately.

9. SPECIFICATIONS

Feature	Detail
Brand	WANGCL
Model Numbers	Transmitter: 91803G, Receiver: RX41 (Part No. INB25746)
Material	Plastic
Color	Black
Frequency	2.4 GHz
Channels	3 Channels
Control Range	Up to 120 meters
Transmitter Battery	4x AAA batteries (not included)
Low Voltage Alarm	Activates when transmitter battery is below 4.5V
Receiver Waterproofing	Sealed against water droplets, water sources, and water vapor
Product Dimensions (Transmitter)	Approx. 137 x 162 x 68 mm (5.39 x 6.38 x 2.68 inches)
Product Weight	170g (Transmitter, approx.)
Package Dimensions	16 x 14.2 x 8.9 cm

Feature	Detail
GTIN / UPC	713310694097



Image 9.1: Diagram showing the dimensions of the WANGCL 91803G RC Transmitter.

10. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the retailer or manufacturer's official website where you purchased this product. Keep your proof of purchase for any warranty claims.

