

MJX R3B

MJX R3B RC Receiver Instruction Manual

For MJX 14301, 14302, and 14303 RC Car Models

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your MJX R3B RC Receiver. The R3B receiver is designed as a spare part and accessory for MJX 14301, 14302, and 14303 remote-controlled car models. Please read this manual thoroughly before use to ensure proper function and longevity of your product.

2. SAFETY INFORMATION

- **Age Recommendation:** This product is not suitable for children under 3 years old due to small parts. The manufacturer recommends this product for users 14 years and up.
- **Electronic Component Care:** Handle the receiver with care. Avoid exposure to water, extreme temperatures, or direct impact.
- **Proper Installation:** Ensure all connections are secure and correctly oriented to prevent damage to the receiver or other electronic components.
- **Power Source:** Always use the recommended power source for your RC vehicle to avoid overvoltage or undervoltage issues.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x MJX R3B Receiver
- 1 x Pinion (if included as part of the accessory kit)

4. PRODUCT OVERVIEW

The MJX R3B receiver is a compact electronic component responsible for receiving signals from your RC transmitter and translating them into commands for your RC car's motor, steering, and other functions.



Image 1: MJX R3B RC Receiver. This image displays the compact black receiver unit with clearly labeled ports for VCC/FAN, CH1, CH2, and CH3, along with positive, negative, and signal pins.

Key features include multiple channels for control and dedicated ports for power and fan connections.

- **VCC/FAN:** Power supply and optional cooling fan connection.
- **CH1:** Typically for steering servo connection.
- **CH2:** Typically for electronic speed controller (ESC) connection (motor control).
- **CH3:** Auxiliary channel for additional functions (e.g., lights, gear shift).

5. SETUP AND INSTALLATION

Follow these steps to install and set up your MJX R3B receiver:

1. **Power Off:** Ensure your RC car and transmitter are powered off before beginning installation.
2. **Locate Receiver Compartment:** Identify the designated location for the receiver within your MJX 14301, 14302, or 14303 RC car chassis.
3. **Connect ESC:** Plug the electronic speed controller (ESC) cable into the **CH2** port on the receiver. Ensure the polarity is correct (signal wire typically on top or indicated by a label).
4. **Connect Steering Servo:** Plug the steering servo cable into the **CH1** port on the receiver. Observe correct polarity.
5. **Connect Auxiliary Components (Optional):** If your model has additional features like lights or a fan, connect them to the **CH3** or **VCC/FAN** ports as appropriate, following your RC car's specific wiring diagram.
6. **Secure Receiver:** Mount the receiver securely within the chassis using double-sided tape or the provided mounting hardware to prevent movement during operation.
7. **Antenna Placement:** Route the receiver antenna away from other electronic components and metal parts. Ensure it is extended as much as possible for optimal signal reception.

6. OPERATION (BINDING PROCEDURE)

Before operating your RC car, the receiver must be bound to your transmitter. The binding process establishes a unique communication link between the two devices.

- Transmitter Preparation:** Turn on your RC transmitter. Ensure it is in binding mode or ready to bind (refer to your transmitter's manual for specific instructions).
- Receiver Power On:** Connect the battery to your RC car to power on the receiver. The receiver's LED indicator will typically flash, indicating it is searching for a signal.
- Initiate Binding:** Press and hold the binding button on the R3B receiver (if present, or follow the specific binding sequence for your MJX model). The LED on the receiver should change from flashing to solid, indicating a successful bind.
- Test Controls:** After successful binding, test the steering and throttle controls to ensure they respond correctly to transmitter inputs.
- Power Cycle:** Turn off both the RC car and the transmitter, then power them on again to confirm the binding is saved.

7. MAINTENANCE

Proper maintenance will extend the lifespan of your R3B receiver:

- Keep Clean:** Regularly clean the receiver and its connections using a soft, dry brush or compressed air to remove dust and debris.
- Avoid Moisture:** Protect the receiver from moisture and water exposure. If it gets wet, disconnect power immediately and allow it to dry completely before reuse.
- Inspect Connections:** Periodically check all wire connections for looseness or damage. Secure or replace any faulty wiring.
- Storage:** Store the receiver in a cool, dry place away from direct sunlight and extreme temperatures when not in use.

8. TROUBLESHOOTING

If you encounter issues with your R3B receiver, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
No response from RC car	Receiver not bound; loose connections; power issue	Perform binding procedure; check all wire connections; ensure battery is charged and connected.
Intermittent control loss	Weak signal; interference; damaged antenna	Ensure antenna is fully extended and clear of obstructions; move away from sources of interference; inspect antenna for damage.
Steering or throttle reversed	Transmitter settings; incorrect servo connection	Adjust servo reverse settings on your transmitter; verify servo/ESC connections to receiver.

Problem	Possible Cause	Solution
Receiver LED not lighting up	No power to receiver; faulty receiver	Check battery connection and charge; test with another power source; if problem persists, receiver may be faulty.

9. SPECIFICATIONS



- **Model:** R3B
- **Manufacturer:** MJX
- **Product Dimensions:** 0.1 x 0.2 x 0.1 inches (approximately)
- **Item Weight:** 1.6 ounces
- **Compatibility:** MJX 14301, 14302, 14303 RC Car Models
- **Recommended Age:** 14 years and up


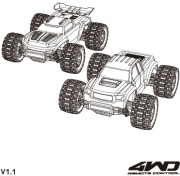

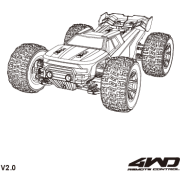
10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official MJX website or contact your retailer. Keep your proof of purchase for any warranty claims.

You can also visit the [MJX Store on Amazon](#) for additional products and information.

Related Documents - R3B

<div><div>No.720314+</div><div><div>HYPER GO</div><div>1:7 RC HIGH SPEED CAR</div><div>USER MANUAL</div></div><div></div><div><div>V2.0</div><div>4WD</div></div></div>	<div><div>MJX HYPER GO 1:7 RC High Speed Car User Manual V2.0</div><div>Comprehensive user manual for the MJX HYPER GO 1:7 RC High Speed Car (V2.0). Covers safety warnings, battery precautions, operating instructions, detailed assembly steps for all components, and a complete spare parts list. Includes FCC compliance information.</div></div>
<div><div>No.1430314+</div><div><div>HYPER GO</div><div>1:14 RC HIGH SPEED CAR</div><div>USER MANUAL</div></div><div></div><div><div>V1.0</div><div>4WD</div></div></div>	<div><div>MJX Hyper Go 14303 RC High Speed Car User Manual</div><div>Comprehensive user manual for the MJX Hyper Go 14303 RC High Speed Car, providing detailed instructions on setup, operation, safety, maintenance, and parts identification for optimal performance.</div></div>

 <p>Bugs 6 Bugs Series Racing Drone Instruction Manual</p> <p>No.18208 14+</p> <p>1:18 RC HIGH SPEED CAR USER MANUAL</p> <p>V1.1</p> <p>4WD</p>	<p>MJX Bugs 6 Series Racing Drone Instruction Manual</p> <p>Comprehensive instruction manual for the MJX Bugs 6 Series Racing Drone, covering safety guidelines, product configuration, assembly, battery installation, remote controller operation, calibration, and troubleshooting.</p>
 <p>No.18208 14+</p> <p>1:18 RC HIGH SPEED CAR USER MANUAL</p> <p>V1.1</p> <p>4WD</p>	<p>MJX 1:18 RC High Speed Car User Manual (Model No. 18208)</p> <p>Comprehensive user manual for the MJX 1:18 RC High Speed Car (Model No. 18208). Covers safety guidelines, battery usage, charging, operation, troubleshooting, parts list, and FCC compliance. Features detailed instructions and diagrams.</p>
 <p>Bugs 3 Brushless Drone Instruction Manual</p> <p>No.14210 14+</p> <p>HYPER GO 1:14 RC HIGH SPEED CAR USER MANUAL</p> <p>V2.0</p> <p>4WD</p>	<p>MJX Bugs 3 Brushless Drone Instruction Manual - Setup, Operation, and Safety</p> <p>Comprehensive instruction manual for the MJX Bugs 3 brushless drone. Covers setup, safety guidelines, technical specifications, operation, troubleshooting, and spare parts.</p>
 <p>No.14210 14+</p> <p>HYPER GO 1:14 RC HIGH SPEED CAR USER MANUAL</p> <p>V2.0</p> <p>4WD</p>	<p>MJX 1:14 Hyper Go RC High Speed Car User Manual</p> <p>User manual for the MJX 1:14 Hyper Go RC High Speed Car, detailing operation, safety precautions, component assembly, and spare parts.</p>