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JRRXM 2501

JRRXM 12V Weelye RX23 Bluetooth Receiver Control Box Instruction Manual

Model: 2501

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your JRRXM 12V Weelye RX23 Bluetooth Receiver Control Box. Please read this manual thoroughly before use to ensure proper function and safety.

Safety Information

- Use only with a 12V power supply.
- Ensure all connections are secure before operation.
- Adult supervision is recommended during installation and initial use.
- Disconnect power before performing any maintenance or replacement.

Package Contents

- 1x Remote Control
- 1x Control Box (RX23)
- 1x Instruction Manual (for remote control pairing)

Compatibility

This control box (RX23) is compatible with various Power Wheels ride-on car models. It can replace RX8, RX18, RX23, RX43, RX57, "XH", and "2501" control boxes. The primary factor for compatibility is the shape of the 7-PIN cable socket. Ensure the socket shape matches your existing unit.
The new RX23 model is designed to replace RX18 and RX43, offering improved stability and addressing previous model defects.

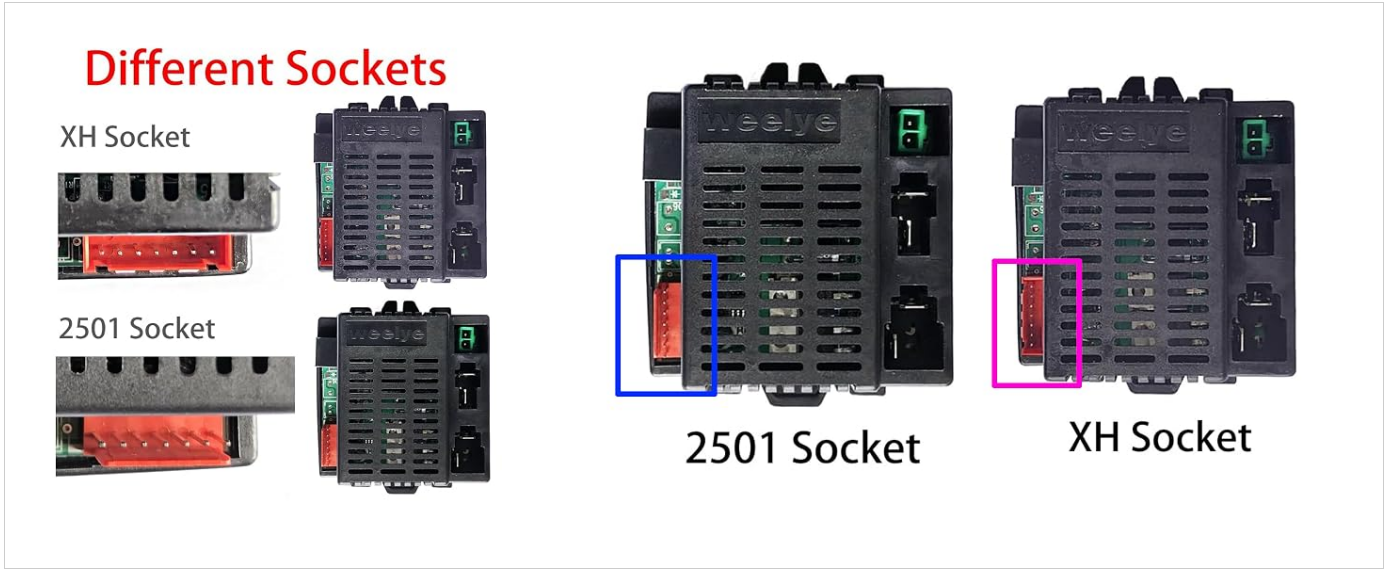


Image: Comparison of different 7-PIN socket types (XH and 2501) on Weelye control boxes. This image helps identify the correct socket for compatibility.



Image: Weelye control boxes showing 2501 and XH socket types, with a label indicating that RX23, RX18, RX7, and RX43 models are interchangeable.

Setup

1. Wiring Diagram

Refer to the diagram below for correct wiring connections. Ensure all wires are connected to their corresponding ports on the control box.



Image: Detailed wiring diagram for the Weelye control box, illustrating connections for high/low speed, forward/reverse, ground (GND), power output, power input, steering motor, and main motor.

2. Remote Control Pairing (Frequency Binding)

For first-time use, the remote control must be paired with the control box. Follow these steps:

1. Take out the remote control and install the battery.
2. Long press the frequency key on the remote control for 2-4 seconds. The low-speed LED lights will flash.
3. Turn on the power of the ride-on car. The low-speed LED lights on the remote will change from flashing to long lighting, indicating successful frequency binding.
4. If frequency binding fails (low-speed LED lights continue to flash), remove the battery from the remote and repeat steps 1-3.
5. If the remote control is not operated for 10 seconds, the indication light will turn off to enter power-saving mode.

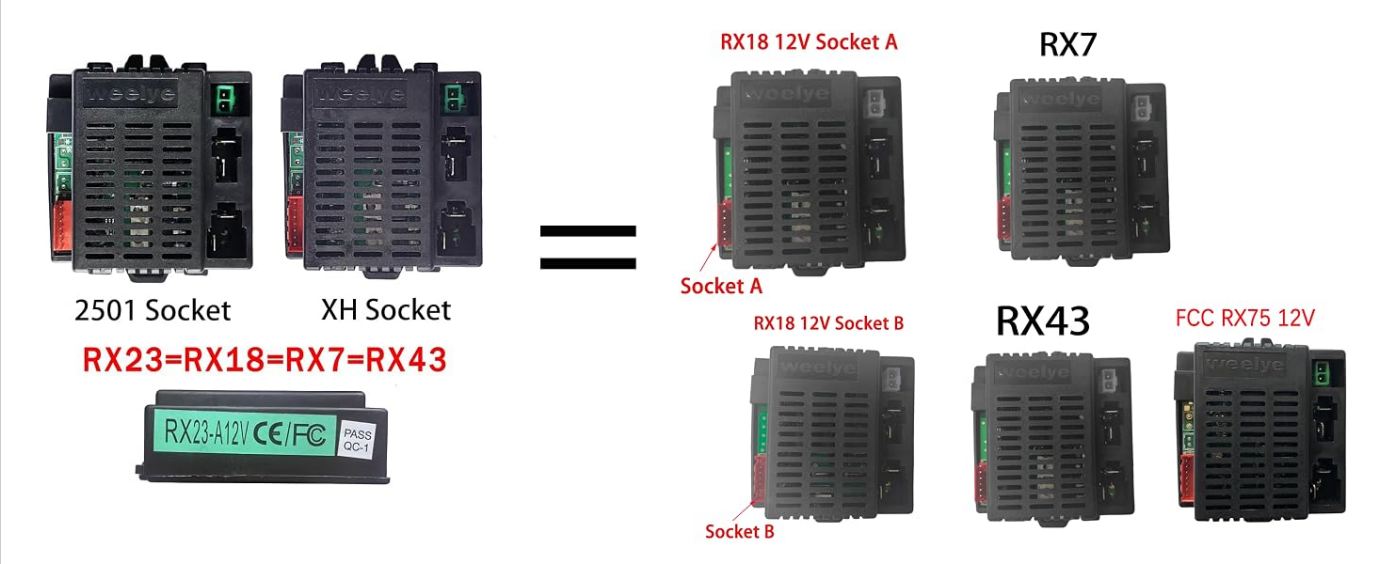


Image: Remote control with button descriptions and pairing instructions for frequency binding.

Operating Instructions

Remote Control Functions:

- **Forward/Backward:** Use the designated buttons to move the vehicle.
- **Left/Right Turns:** Use the designated buttons for steering.
- **Three-Speed Regulation:** Adjust the speed settings as needed.
- **Brake Function:** Press the 'S' button for emergency braking. This will temporarily disable the running function. Press 'S' again to release the brake.

Safety Features:

- **Slow Start and Slow Stop:**The control box incorporates slow start and slow stop functions to ensure smooth acceleration and deceleration, enhancing child safety.
- **2.4G Interference-Free Mode:** The remote control operates on a 2.4G frequency, minimizing interference for reliable control.

Maintenance

- Keep the control box and remote control dry and clean.
- Avoid exposing the components to extreme temperatures or direct sunlight.
- Regularly check all wiring connections for looseness or damage.
- Replace remote control batteries when the indicator light dims or operation becomes unreliable.

Troubleshooting

Troubleshooting

Problem	Possible Cause	Solution
Remote control not responding / Vehicle not moving	Remote not paired; Low remote battery; Loose wiring connection.	Perform frequency binding (see Setup section); Replace remote batteries; Check and secure all wiring.
Remote control disconnects frequently	Interference; Remote battery low; Need for re-pairing.	Ensure no strong interference sources nearby; Replace remote batteries; Re-pair the remote control.
Vehicle operates erratically	Loose wiring; Damaged control box.	Check all wiring connections; If problem persists, the control box may need replacement.
Low speed LED lights flash continuously after pairing attempt	Frequency binding failed.	Remove battery from remote, then repeat pairing steps 1-3.
Control box emits smoke or burning smell	Overload; Internal component failure.	Immediately disconnect power. The control box is likely damaged and requires replacement.
Vehicle does not power on	No power to control box; Faulty control box.	Verify 12V power supply connection; Check control box for damage.
Brake function (S button) not working	Remote control issue; Control box issue.	Ensure remote battery is good; Re-pair remote; If issue persists, control box may be faulty.

Specifications

- **Brand:** JRRXM
- **Model:** 2501 (RX23)
- **Voltage:** 12V
- **Connectivity:** 2.4G Bluetooth
- **Socket Type:** 7-PIN (compatible with XH, 2501 types)
- **Certifications:** CE/FCC
- **Material:** Flame-retardant plastic shell
- **Features:** Slow Start/Stop, Three-Speed Regulation, Brake Function

Warranty

Warranty information for this product is not explicitly provided in the available documentation. Please refer to your purchase receipt or contact the seller directly for warranty details.

Support

For further assistance or inquiries, please contact JRRXM customer support. You can find more information and contact details on the official JRRXM store page: JRRXM Store.

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