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› JRRXM JR-RX-12V JR1630RXS 2.4G Bluetooth Control Box and Remote Control Kit User Manual

JRRXM JR-RX-12V JR1630RXS

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This manual provides detailed instructions for the installation, pairing, and operation of the JRRXM JR-RX-12V JR1630RXS 2.4G Bluetooth Control Box and Remote Control Kit for kids' ride-on toy cars.

1. INTRODUCTION

The JRRXM JR-RX-12V JR1630RXS 2.4G Bluetooth Control Box and Remote Control Kit is designed as a replacement or upgrade component for 12V kids' ride-on toy cars. This kit enables remote control functionality, offering enhanced control over the vehicle's movement. It includes a control box, a remote control, and a user manual.

2. SAFETY INFORMATION

- Always ensure the model of the control box is compatible with your ride-on toy car before installation.
- Verify that the power supply voltage is consistent with the control box requirements (12V). Incorrect voltage can cause malfunction or damage.
- Installation should be performed by an adult or under adult supervision.
- Disconnect the vehicle's battery before performing any installation or maintenance to prevent electrical hazards.

3. PACKAGE CONTENTS

The package includes the following items:

- 1 x JR-RX-12V JR1630RXS 2.4G Bluetooth Control Box
- 1 x 2.4G Bluetooth Remote Control
- 1 x User Manual (this document)

4. COMPATIBILITY CHECK

Before installation, it is crucial to confirm compatibility with your existing ride-on toy car system. Please follow these steps:

1. **Compare Original Controller:** Remove the original control box from your vehicle and visually compare it with the new JR-

RX-12V JR1630RXS control box. Pay close attention to the model number (JR-RX-12V or JR1630RXS) and the connector types. The product description specifically mentions: "The red socket is the same as the yellow socket".

2. **Voltage Requirement:** Ensure your ride-on car operates on a 12V power supply. This control box is designed for 12V systems only.
3. **Wiring Instructions:** If you are retrofitting or upgrading, open your existing controller and check the wiring instructions on its circuit board to ensure proper connection.



Figure 1: Overview of the JR-RX-12V control box, remote, and a compatible ride-on car.



Figure 2: Detailed view of the JR-RX-12V control box and its accompanying remote control.

5. SETUP AND INSTALLATION

Follow these steps for proper installation of the control box:

1. **Disconnect Power:** Ensure the ride-on toy car's battery is disconnected before starting any installation.
2. **Remove Old Control Box:** Carefully remove the existing control box from the vehicle. Note the wiring connections before removal.
3. **Connect New Control Box:** Connect the JR-RX-12V JR1630RXS control box to the vehicle's wiring harness. Refer to the wiring diagram below for correct connections.
4. **Secure Control Box:** Mount the new control box securely in its designated location within the vehicle.
5. **Reconnect Power:** Once all connections are secure and verified, reconnect the vehicle's battery.

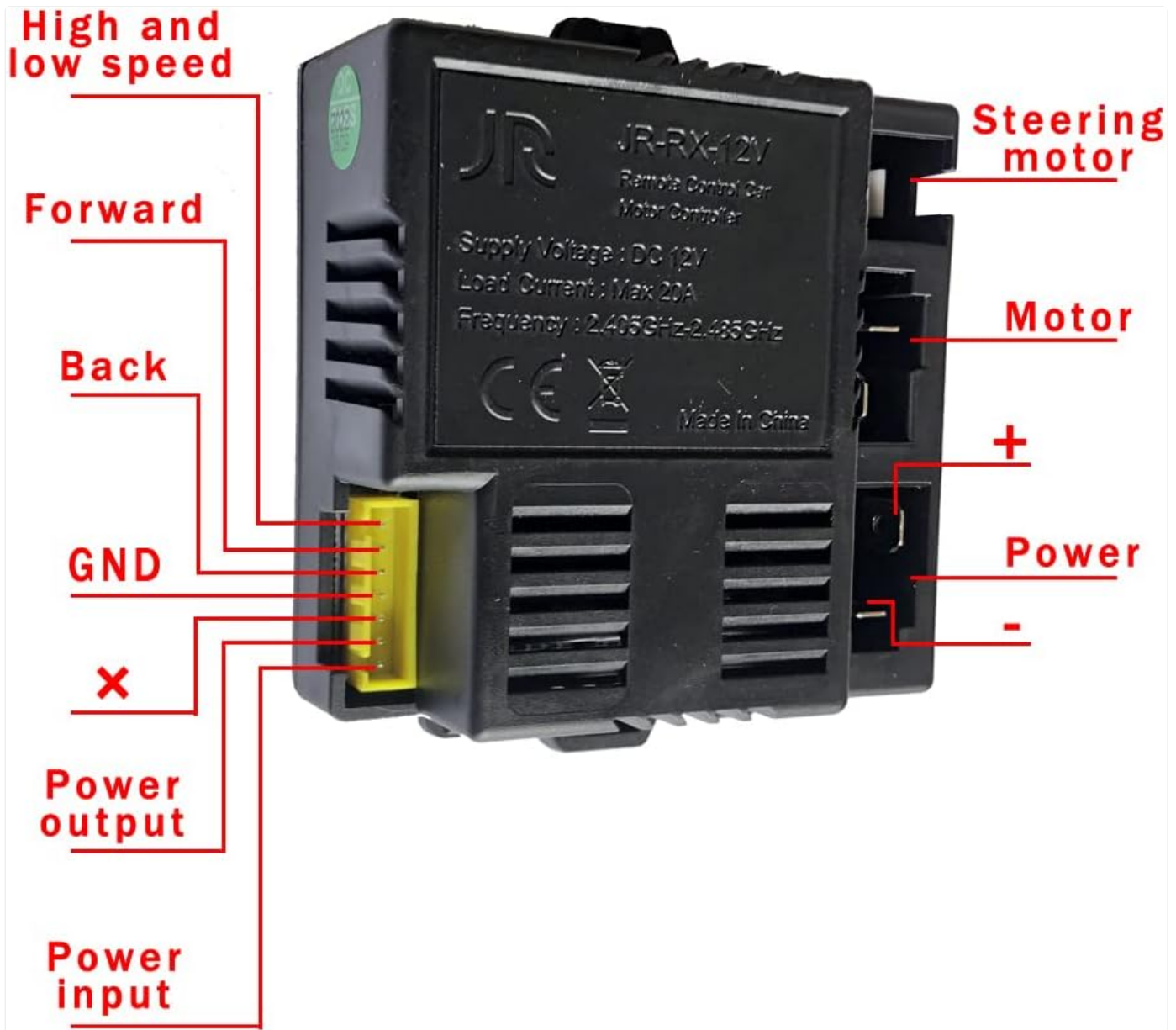


Figure 3: Wiring diagram for the JR-RX-12V control box. This diagram illustrates the connection points for various functions including speed, direction, motor, and power input/output.

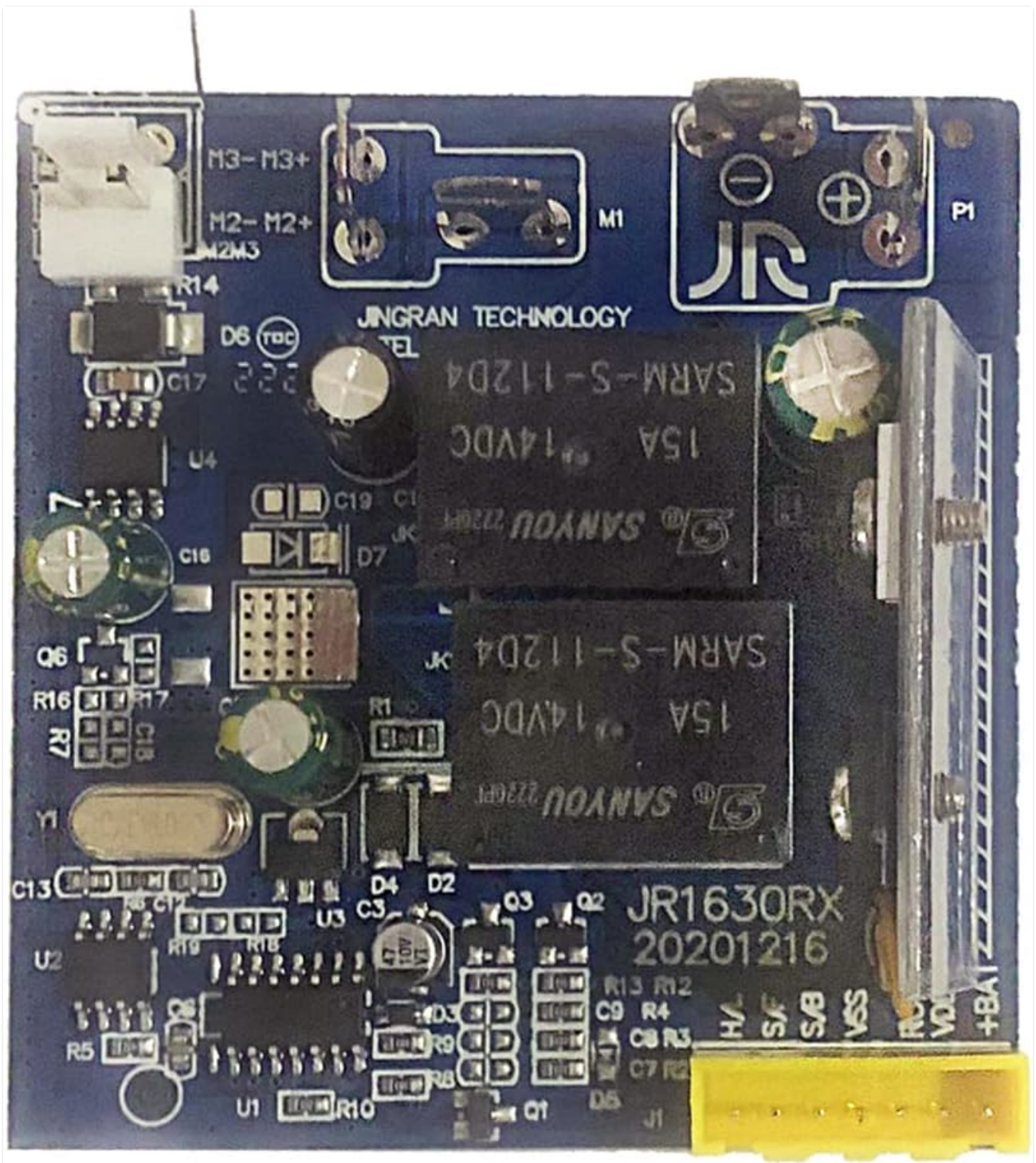


Figure 4: Internal view of the JR1630RXS circuit board, showing electronic components and the model designation.

6. REMOTE CONTROL PAIRING INSTRUCTIONS

The remote control needs to be paired with the control box for the first time use. Follow these steps:

1. **Install Batteries:** Load two AAA batteries into the remote control.
2. **Power Off Vehicle:** Ensure the power switch on the ride-on vehicle is turned OFF.
3. **Initiate Pairing on Remote:** Hold down the "▲" (Forward) and "▼" (Back) keys on the remote control simultaneously for 3 seconds. The first LED indicator on the remote will begin to flicker, indicating it is in pairing mode.
4. **Power On Vehicle:** Turn on the power switch on the ride-on vehicle. The red indicator light on the remote control should stop flashing, confirming that the pairing process is successful.



2.4G Remote Control Instructions

Step 1:The Remote Controller is loaded with two AAA batteries.

Step 2:Turn off the power switch on the vehicle.

Step 3:Hold down "▲" & "▼" keys for 3 seconds start match code, The first LED flicker. Now turn on the vehicle power switch The red indicator lights stop flashing, and the code is successful.

Keys caption: "S" set up speed, 1 led lit up is low speed, 2 leds lit up is medium speed, 3 leds lit up is high speed, "▲" Forward, "▼" Back, "◀" Left, "▶" Right, Press "P" key hold the brake, All LED flicker

Figure 5: Remote control with pairing and key function instructions. This image details the buttons and the steps for initial setup.

7. OPERATION

Once paired, the remote control allows you to operate the ride-on toy car. The keys have the following functions:

- **"S" Key (Speed Selection):**
 - 1 LED lit: Low speed
 - 2 LEDs lit: Medium speed
 - 3 LEDs lit: High speed
- **"▲" Key:** Forward movement
- **"▼" Key:** Backward movement
- **"◀" Key:** Turn Left

- "▶" Key: Turn Right
- "P" Key (Brake): Hold to activate the brake. All LEDs will flicker when the brake is engaged.

8. TROUBLESHOOTING

- **Remote Not Responding:**

- Check if the remote control batteries are installed correctly and have sufficient power.
- Ensure the remote is properly paired with the control box (refer to Section 6).
- Verify that the vehicle's power switch is ON.

- **Vehicle Not Moving:**

- Confirm all wiring connections are secure and correct according to the diagram (Figure 3).
- Check the vehicle's battery charge level.
- Ensure the control box is receiving the correct 12V power supply.

- **Intermittent Operation:**

- Check for loose wiring connections.
- Ensure there are no strong interference sources nearby (e.g., other 2.4Ghz devices).

9. SPECIFICATIONS

Feature	Specification
Model Number	JR-RX-12V JR1630RXS
Supply Voltage	DC 12V
Load Current (Max)	20A
Frequency	2.405GHz - 2.485GHz
Remote Control Batteries	2 x AAA (not included)
Package Dimensions	5.83 x 4.29 x 3.54 inches
Item Weight	6.4 ounces
Manufacturer Recommended Age	24 months - 12 years

10. WARRANTY AND SUPPORT

JRRXM provides a one-year warranty for this product. If you encounter any questions or issues, please contact our professional maintenance team. We have over 10 years of experience in product maintenance and are ready to assist you.

For support, please refer to the contact information provided with your purchase or visit the official JRRXM store on Amazon: JRRXM Store.

