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> [weelye 24V Electric Ride-On Car DIY Wiring and Remote Control Kit Instruction Manual](#)

weelye weelye-24V XIANSU

weelye 24V Electric Ride-On Car DIY Wiring and Remote Control Kit Instruction Manual

Model: weelye-24V XIANSU

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1. INTRODUCTION

This instruction manual provides detailed guidance for the installation, operation, and maintenance of your weelye 24V Electric Ride-On Car DIY Wiring and Remote Control Kit. This kit is designed for modifying and upgrading children's electric ride-on vehicles to a 24V system, enhancing performance and control. Please read this manual thoroughly before beginning any installation or operation to ensure safe and correct usage.

Important Note: This kit requires a separate 24V battery and does not include gearbox motors. Basic electrical wiring knowledge is recommended for installation.

2. KIT COMPONENTS

The weelye 24V DIY Modified Wires and Switch Kit includes the following main components:

- Remote Control
- Control Box (Circuit Board)
- Pre-wired Harness
- Power Switch
- Accelerator Pedal
- Overload Protector (Self-resetting fuse)
- Charging Port
- High/Low Speed Switch

- Forward/Stop/Back Switch

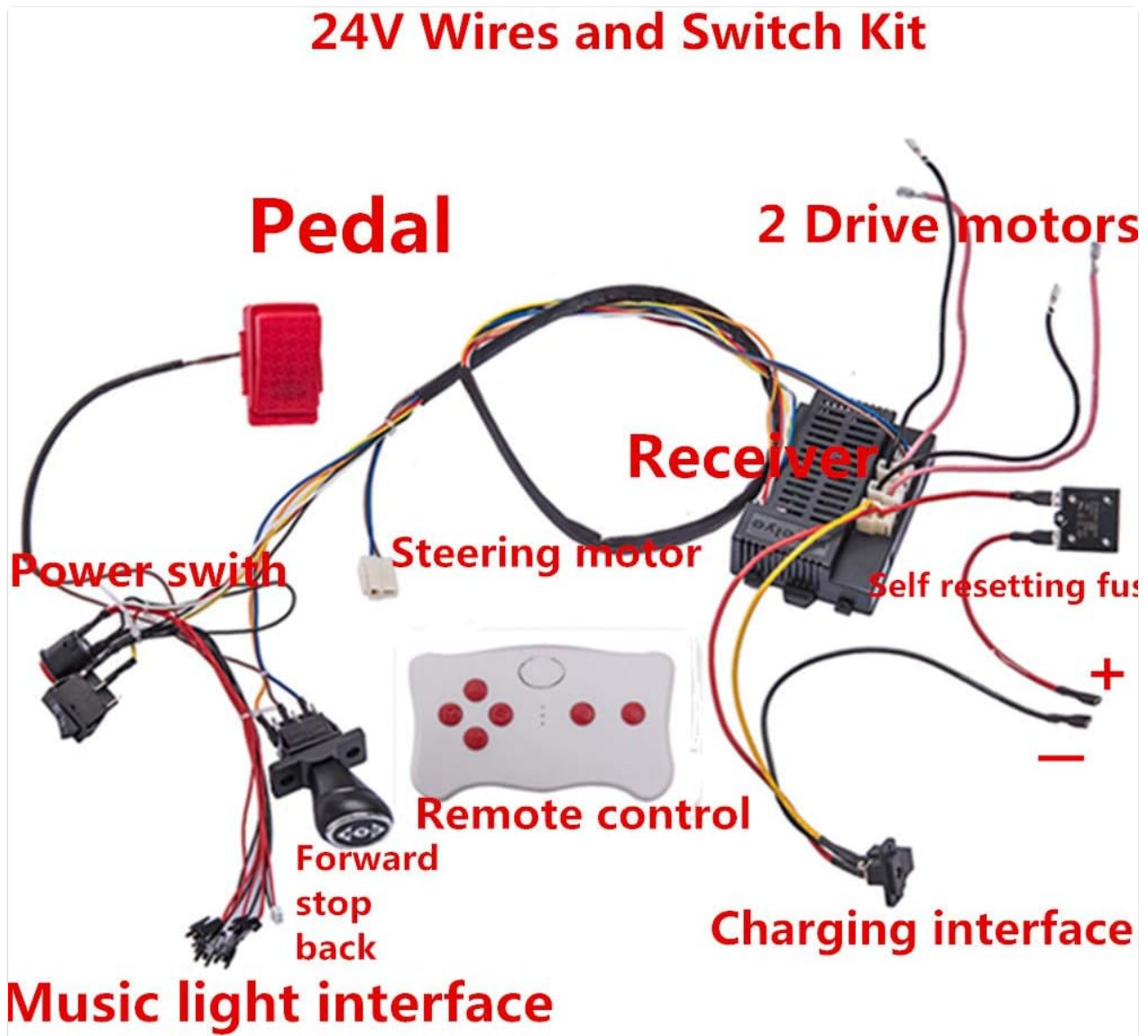


Figure 2.1: Overview of the weelye 24V DIY Wiring and Remote Control Kit, showing all included components such as the control box, remote, pedal, switches, and wiring harness.

Forward
stop
back

High speed
low speed

power switch

self resetting fuse

charging interface

2 Drive motors

Figure 2.2: Detailed view of the pre-wired harness, including the power switch, high/low speed switch, forward/stop/back switch, and accelerator pedal connections.

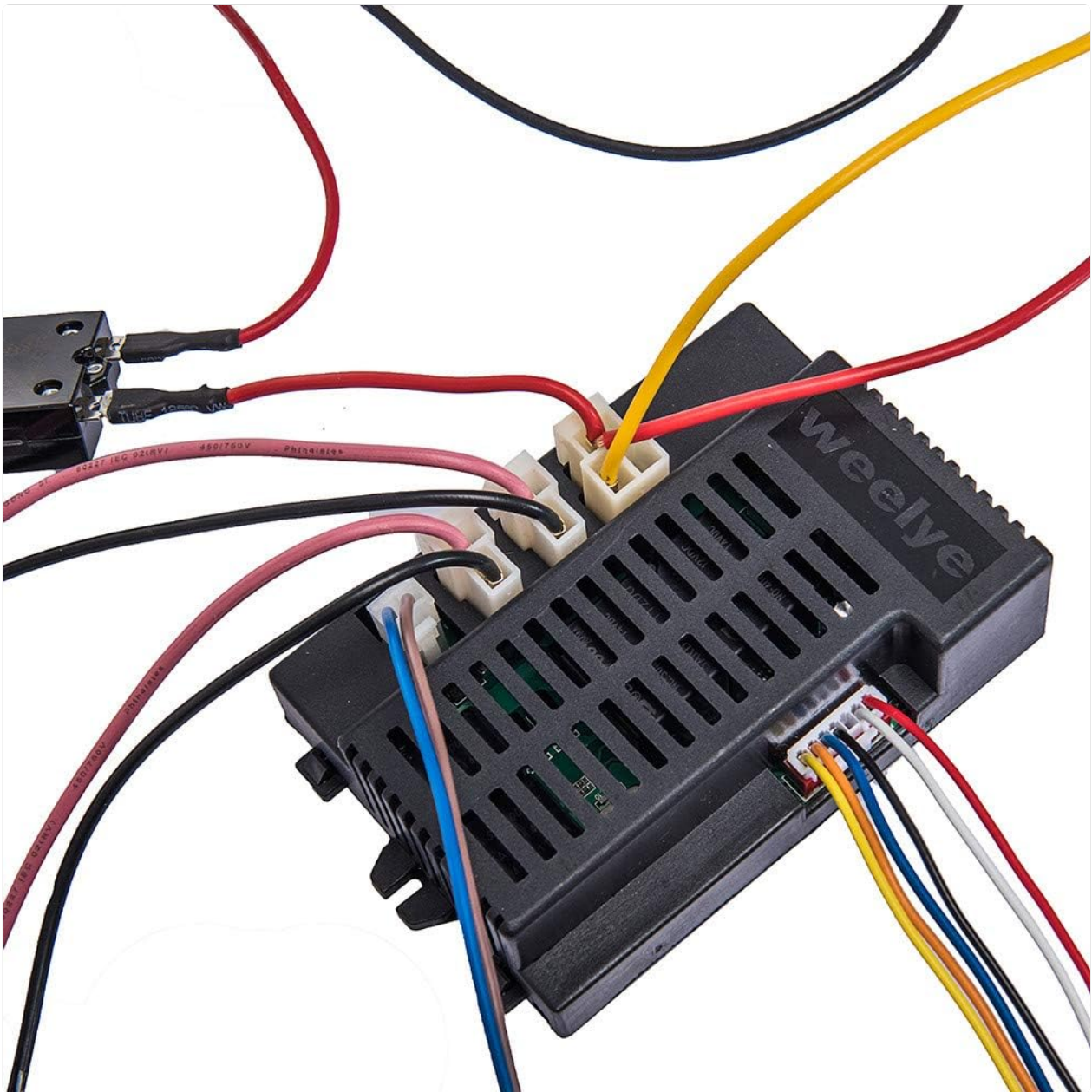


Figure 2.3: The weelye 24V control box (circuit board) with various wire connections, serving as the central processing unit for the ride-on car's electrical system.

3. SETUP AND INSTALLATION

Before installation, ensure the vehicle's power is off and the battery is disconnected. This kit is designed for DIY modification and requires careful attention to wiring connections. Refer to the provided wiring diagrams and ensure all connections are secure.

3.1. Control Box Compatibility Check

To confirm compatibility, open your existing electric ride-on car and locate its control box. If the appearance and connector types of the weelye control box are similar to your original unit, this kit should be compatible. This kit is specifically designed for 24V systems.

3.2. Wiring Connections

The kit features one-button installation sockets for battery and motor cables, simplifying replacement and

maintenance. Connect the components as follows:

1. Connect the **Control Box** to the **24V Battery** (not included). Ensure correct positive (+) and negative (-) polarity.
2. Connect the **Drive Motors** to the designated motor ports on the Control Box.
3. Connect the **Accelerator Pedal** to its corresponding port.
4. Connect the **Power Switch, High/Low Speed Switch, and Forward/Stop/Back Switch** to the main wiring harness.
5. Connect the **Overload Protector (Self-resetting fuse)** in line with the power circuit as indicated in the wiring diagram.
6. Connect the **Charging Port** to allow for external battery charging.
7. If applicable, connect the **Steering Motor** and **Music/Light Interface** to their respective ports.

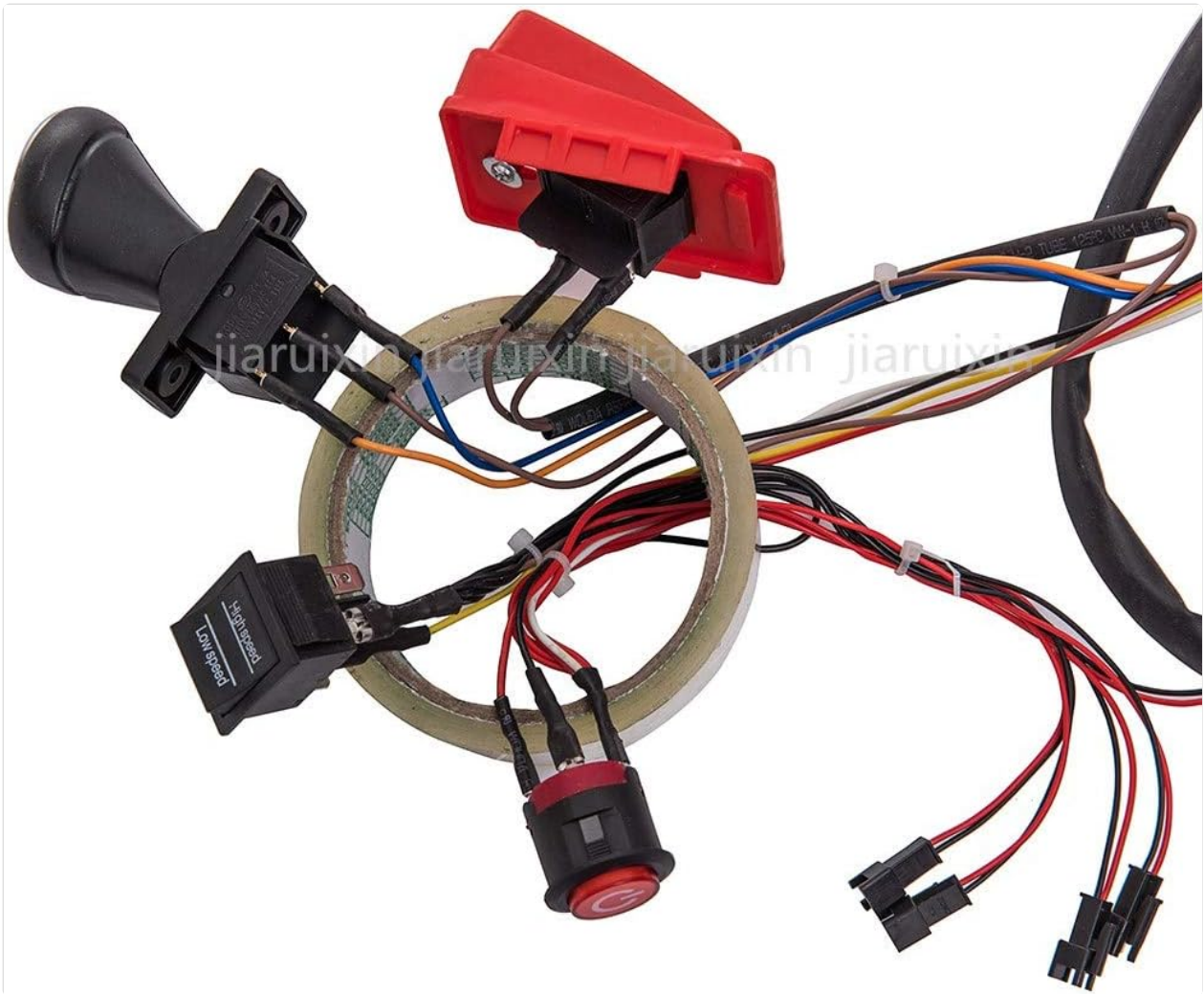


Figure 3.1: Close-up of the wiring harness showing connections for the power switch, high/low speed switch, and forward/stop/back switch, along with the self-resetting fuse and charging interface.



Figure 3.2: The weelye remote control, featuring buttons for forward, backward, speed selection, emergency brake, and turning left/right.

4. OPERATING INSTRUCTIONS

4.1. Remote Control Frequency Matching (First Use or Battery Replacement)

The remote control must be paired with the control box for proper operation. Follow these steps:

1. **Install Batteries:** Open the remote control's battery compartment. Install two AAA 1.5V batteries, ensuring correct positive and negative polarity. Close the battery cover. The indicator light will flash three times, confirming correct battery installation.
2. **Initiate Pairing:** Press and hold the "Frequency Key" (often labeled "Car Select" or "S" for Speed) on the

remote control for approximately 2 seconds. The indicator light on the remote will begin to flash.

3. **Power On Vehicle:** Turn on the power supply of the electric ride-on car. The indicator light on the remote control should turn off, indicating successful frequency matching.
4. **Verify Operation:** Test the remote control's functions (forward, backward, turning) to ensure proper pairing.

Note: If the indicator light on the remote does not turn off (matching unsuccessful), turn off the car's power supply and repeat steps 2 and 3.



Figure 4.1: The reverse side of the weelye remote control, displaying the frequency matching procedure and button descriptions.

4.2. Remote Control Button Descriptions

- **Forward (△):** Moves the car forward.
- **Backward (▽):** Moves the car backward.

- **Turn Left** (<): Turns the car left.
- **Turn Right** (>): Turns the car right.
- **Speed (S)**: Cycles through available speed settings (High, Medium, Low).
- **Emergency Brake (P)**: Activates the emergency brake, stopping the car. Press again to release.

If the remote control is left without operation for 10 seconds, the indicator light will turn off, and it will enter power-saving mode.

4.3. Vehicle Operation

- **Power On**: Use the main power switch on the vehicle to turn it on.
- **Speed Selection**: Use the high/low speed switch on the vehicle or the 'S' button on the remote control to select the desired speed.
- **Direction Control**: Use the forward/stop/back switch on the vehicle or the directional buttons on the remote control to move the car.
- **Accelerator Pedal**: The vehicle's accelerator pedal provides direct control when not using the remote. The control box features a slow-start function for smooth acceleration.

5. MAINTENANCE

- **Battery Care**: Ensure the 24V battery (not included) is charged according to its manufacturer's instructions. Disconnect the battery when the vehicle is not in use for extended periods.
- **Wiring Inspection**: Periodically check all wiring connections for looseness or damage. Secure any loose connections and replace damaged wires immediately.
- **Component Cleaning**: Keep the control box and other components free from dust, dirt, and moisture. Use a dry cloth for cleaning.
- **Overload Protector**: The kit includes a self-resetting fuse (overload protector). If the vehicle stops unexpectedly, check for an overload condition. The fuse will reset automatically once the condition is resolved.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Vehicle does not move.	<ul style="list-style-type: none"> • Battery is low or not connected. • Power switch is off. • Remote control not paired. • Overload protector tripped. • Loose wiring connection. 	<ul style="list-style-type: none"> • Charge battery or check connections. • Turn on the power switch. • Perform remote control frequency matching (Section 4.1). • Allow time for the self-resetting fuse to cool and reset. Reduce load. • Inspect all wiring for secure connections.

Problem	Possible Cause	Solution
Remote control not responding.	<ul style="list-style-type: none"> Remote control batteries are dead or incorrectly installed. Remote control not paired with the vehicle. 	<ul style="list-style-type: none"> Replace AAA batteries, ensuring correct polarity. Perform remote control frequency matching (Section 4.1).
Vehicle moves but steering is unresponsive (if applicable).	<ul style="list-style-type: none"> Steering motor not connected or faulty. Wiring to steering motor is loose or damaged. 	<ul style="list-style-type: none"> Check steering motor connection to the control box. Inspect steering motor wiring.
Vehicle cuts off intermittently.	<ul style="list-style-type: none"> Overload protector tripping due to excessive load or short circuit. Loose battery connection. 	<ul style="list-style-type: none"> Reduce load on the vehicle. Check for any binding in the drivetrain. Inspect wiring for shorts. Secure battery terminals.

7. SPECIFICATIONS

Feature	Detail
Brand	weelye
Model Number	weelye-24V XIAN SU
Voltage	24V
Remote Control Frequency	2.4G Bluetooth
Special Features	Slow Start Function, High/Low Speed Switch, One-button installation sockets for battery/motor cables, Self-resetting fuse
Material Type	Plastic
Item Weight	1.17 Pounds (approx. 0.53 kg)
Item Dimensions (L x W x H)	6"L x 4"W x 3.9"H (approx. 15.24 x 10.16 x 9.91 cm)
Assembly Required	Yes

8. WARRANTY AND SUPPORT

For warranty information or technical support, please contact weelye customer service through the retailer

where the product was purchased. Keep your purchase receipt as proof of purchase.

Manufacturer: weelye-24V