

## JIARUIXIN RX91-B

# JIARUIXIN RX91-B 12V Bluetooth Remote Control and Receiver Kit Instruction Manual

*For Kids' Powered Ride-On Car Controller Accessories Replacement Parts*

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your JIARUIXIN RX91-B 12V Bluetooth Remote Control and Receiver Kit. This kit is designed as a replacement part for specific kids' powered ride-on cars. Please read this manual thoroughly before use to ensure proper function and safety.

## 2. PRODUCT OVERVIEW

The RX91-B 12V Bluetooth Remote Control and Receiver Kit includes a control box and a remote control unit. It operates on a 2.4G Bluetooth frequency for reliable communication with compatible ride-on cars.

### 2.1 Package Contents

- 1 x RX91-B 12V Control Box
- 1 x 2.4G Bluetooth Remote Control

### 2.2 Product Components

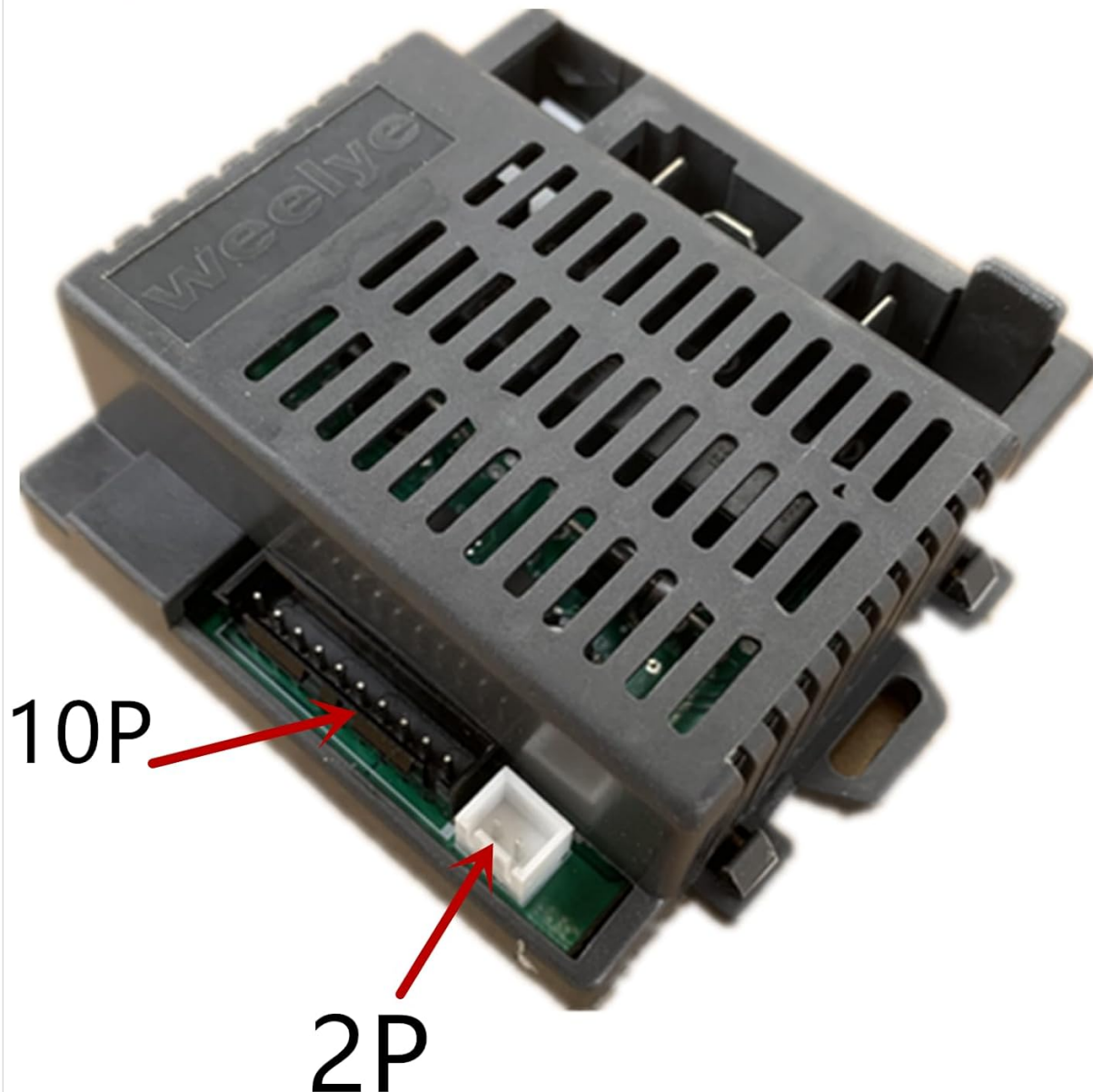


**Figure 1:** The RX91-B 12V Control Box and its accompanying 2.4G Bluetooth Remote Control. The control box is gray with a green label indicating "RX91-B 12V CE/FC", and the remote is white with red circular buttons for various functions.



**Figure 2:** Side view of the RX91-B 12V Control Box, showing its compact design and the green identification label.

# RX91-B 12V CEFC



**Figure 3:** Close-up of the RX91-B 12V Control Box, highlighting the 10-pin and 2-pin connectors for wiring. These connectors are crucial for integrating the control box into the ride-on car's electrical system.

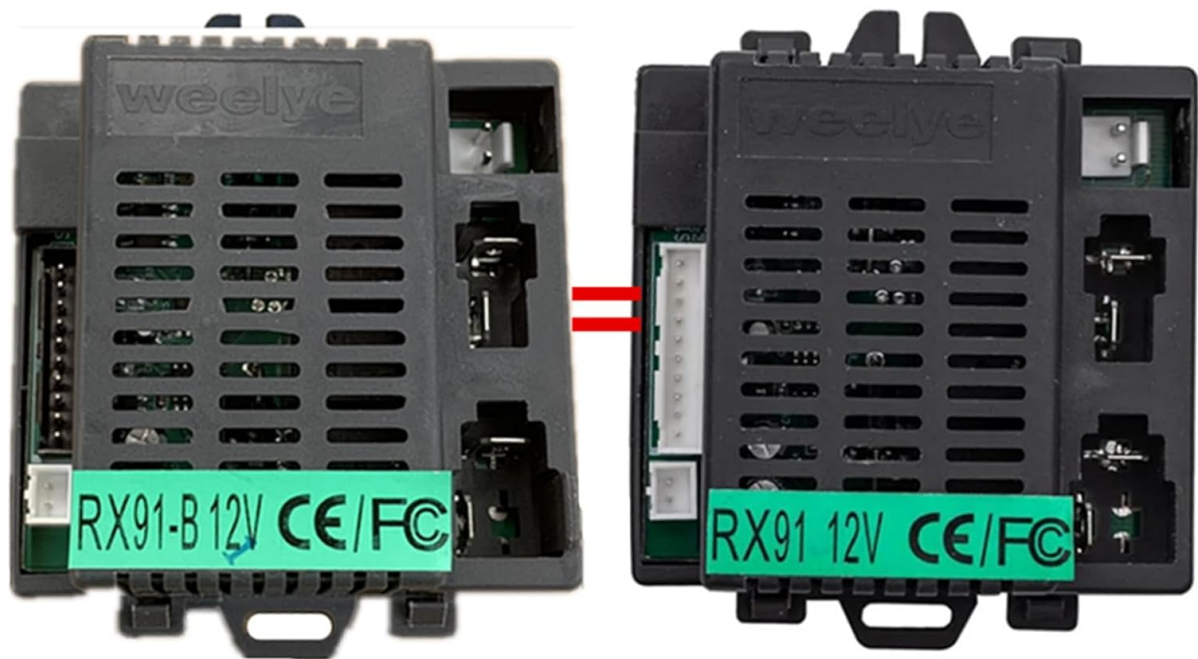
### 3. COMPATIBILITY CHECK

Before installation, it is essential to verify that this control box is compatible with your specific ride-on car. Incompatibility can lead to malfunction or damage.

1. **Inspect Your Existing Control Box:** Open your ride-on car and locate the existing control box.
2. **Match Model Numbers:** Ensure the model number on your existing control box is **RX91-B 12V CE FC**. This kit is specifically designed for this model.
3. **Compare Appearance:** Visually compare the appearance, size, and connector types (e.g., 10-pin, 2-pin four-sided socket) of this replacement part with your original control box. They should match exactly.



# RX91-B 12V CEFC = RX91 12V CEFC



**Figure 4:** Comparison image showing two control boxes, emphasizing the importance of matching the model number (RX91-B 12V CEFC) for compatibility. Both units appear identical, confirming a correct match.

**Important:** If the appearance or model number does not match, this part may not be compatible with your ride-on car.

## 4. SETUP AND REMOTE CONTROL PAIRING

Follow these steps to install the control box and pair the remote control with your ride-on car.

### 4.1 Control Box Installation

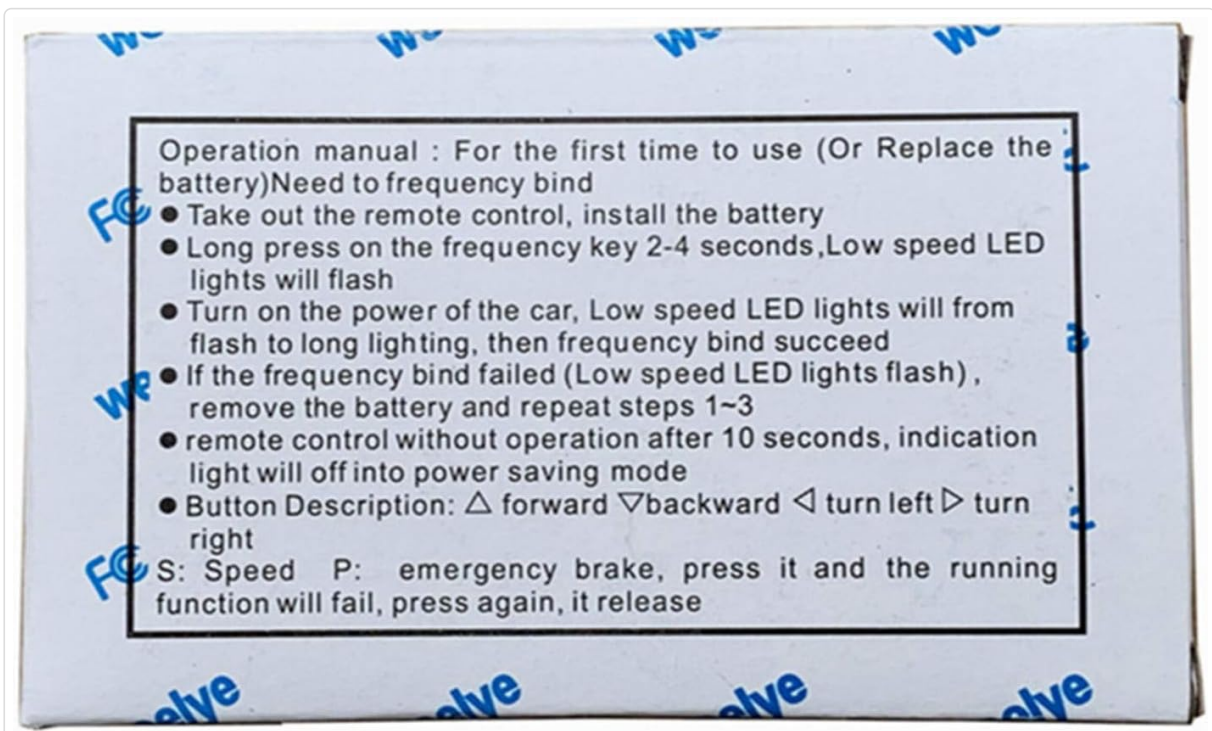
1. **Disconnect Power:** Ensure the ride-on car's battery is disconnected before beginning any installation.
2. **Remove Old Control Box:** Carefully disconnect all wires from the old control box and remove it from the car. Note the orientation and connection points if possible.
3. **Install New Control Box:** Connect the wires from the ride-on car to the corresponding ports on the new RX91-B 12V Control Box. Ensure all connections are secure.
4. **Secure Control Box:** Mount the new control box securely within the ride-on car.
5. **Reconnect Power:** Reconnect the ride-on car's battery.



**Figure 5:** Internal view of the RX91-B 12V Control Box, showing the electronic components. This image is for reference during installation to understand the internal layout.

## 4.2 Remote Control Pairing (Frequency Binding)

The remote control needs to be paired with the control box for the first use or after replacing the remote's batteries.



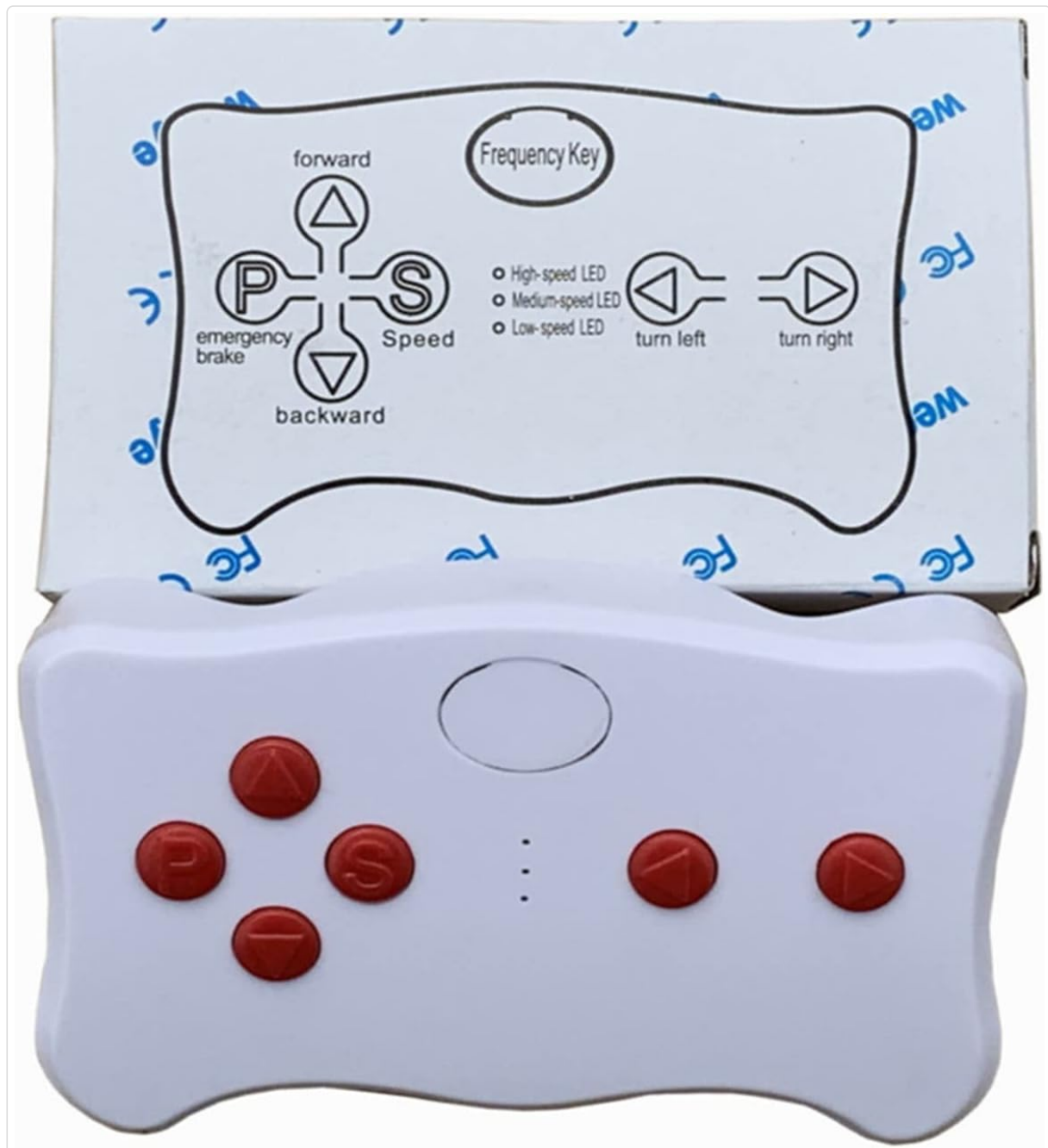
**Figure 6:** Image of the remote control's operation manual, detailing the frequency binding process and button descriptions. This provides a visual guide for pairing.

1. **Install Remote Batteries:** Open the battery compartment of the remote control and insert the required batteries (not included).
2. **Press Frequency Key:** On the remote control, long-press the "Frequency Key" (often labeled 'S' or a dedicated button) for 2-4 seconds. The low-speed LED light on the remote will flash.

3. **Turn On Car Power:** While the remote's LED is flashing, turn on the power switch of the ride-on car.
4. **Verify Pairing:** The low-speed LED light on the remote will change from flashing to a solid light, indicating successful frequency binding.
5. **Troubleshooting Pairing:** If the frequency binding fails (the low-speed LED continues to flash), remove the batteries from the remote, wait a few seconds, and repeat steps 1-3.

## 5. OPERATING INSTRUCTIONS

Once the remote control is paired, you can operate the ride-on car. The remote control features various buttons for different functions.



**Figure 7:** Detailed layout of the remote control buttons, showing their functions for forward, backward, turning, speed, and emergency brake.

### 5.1 Button Descriptions

- **▲ (Up Arrow):** Forward movement.
- **▼ (Down Arrow):** Backward movement.

- **◀ (Left Arrow):** Turn left.
- **▶ (Right Arrow):** Turn right.
- **S (Speed):** Adjusts the speed setting (e.g., Low, Medium, High). The corresponding LED lights on the remote indicate the current speed mode.
- **P (Emergency Brake):** Press this button to immediately stop the ride-on car. Press it again to release the brake and resume normal operation.

The remote control will enter power-saving mode if no operation is performed for 10 seconds, and the indication light will turn off.

## 6. MAINTENANCE

To ensure the longevity and proper functioning of your RX91-B kit, follow these maintenance guidelines:

- **Cleanliness:** Keep the control box and remote control clean and free from dust, dirt, and moisture. Use a soft, dry cloth for cleaning.
- **Battery Replacement:** Replace remote control batteries when the indicator light becomes dim or the remote's range decreases. Always use the recommended battery type.
- **Storage:** When not in use for extended periods, store the ride-on car and remote control in a dry, cool place. Remove batteries from the remote control if storing for a long time to prevent leakage.
- **Connection Check:** Periodically check all wire connections to the control box to ensure they are secure and free from corrosion.

## 7. TROUBLESHOOTING

If you encounter issues with your RX91-B kit, refer to the following troubleshooting tips:

### 7.1 Remote Control Not Responding

- **Check Batteries:** Ensure the remote control has fresh batteries and they are inserted correctly.
- **Re-pair Remote:** Perform the frequency binding process again as described in Section 4.2.
- **Obstructions:** Ensure there are no physical obstructions between the remote and the ride-on car that could interfere with the signal.

### 7.2 Car Not Moving

- **Car Power:** Verify that the ride-on car's main power switch is turned on and the car battery is charged.
- **Control Box Connections:** Check all wiring connections to the control box for looseness or damage.
- **Emergency Brake:** Ensure the 'P' (Emergency Brake) button on the remote is not engaged. Press it once to release.

### 7.3 Intermittent Operation

- **Signal Interference:** Move away from other 2.4Ghz devices that might cause interference.
- **Loose Connections:** Inspect all electrical connections within the ride-on car and to the control box.

## 8. SPECIFICATIONS

Feature	Specification
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Model Number	RX91-B 12V CE FC
Voltage	12V
Control Method	2.4G Bluetooth
Connectors	10-pin, 2-pin four-sided socket
Product Dimensions	4.7 x 3 x 2 inches
Item Weight	4.6 ounces
Manufacturer	JIARUIXIN


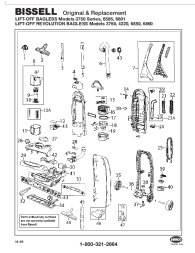
## 9. SAFETY INFORMATION





**WARNING: This product is an electronic component. Improper handling or installation can lead to electric shock or damage to the product and the ride-on car.**

- Always disconnect the ride-on car's battery before installing or removing the control box.
- Ensure all connections are secure and insulated to prevent short circuits.
- Keep the control box and remote control away from water, excessive heat, and direct flame.
- This product is intended for use as a replacement part for specific children's ride-on toys. Do not use for purposes other than intended.
- Adult supervision is recommended during installation and when children are operating the ride-on car.

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### Related Documents - RX91-B

	<p><a href="#">Bobrick Sanitary Napkin and Tampon Vendor Manuals and Instructions</a></p> <p>Comprehensive guide covering maintenance, installation, and conversion instructions for Bobrick ADA-Compliant Sanitary Napkin and Tampon Vendors, including models B-2706, B-3706, B-37063, B-370634, B-370639, B-4706, B-47064, and B-47069.</p>
	<p><a href="#">Bissell Lift-Off Bagless Vacuum Cleaner Parts List and Diagram</a></p> <p>Official parts list and exploded view diagram for Bissell Lift-Off Bagless (Models 3750, 6595, 6801) and Lift-Off Revolution Bagless (Models 3760, 4220, 6850, 6860) vacuum cleaners, detailing replacement parts and assembly.</p>

 <p>The image shows the cover of a Toro TimeMaster 30in Lawn Mower Parts Catalog. It features the Toro logo at the top left, the text 'Count on It.' below it, and 'Parts Catalog' vertically on the left side. The title 'TimeMaster 30in Lawn Mower' is prominently displayed, followed by the model number '21199, 21199-100, 21199-101, 21199-102, 21199-103'. A barcode is visible at the bottom right.</p>	<p><a href="#">Toro TimeMaster 30in Lawn Mower Parts Catalog</a></p> <p>Official parts catalog for the Toro TimeMaster 30-inch lawn mower (Model 21199), featuring detailed breakdowns of all assemblies, including part numbers, quantities, and descriptions for ordering replacement components. Covers housing, spindle, engine, wheels, handle, and accessories.</p>
 <p>The image shows the cover of the ECU MASTER Wireless Racing Kit User Manual. It features the title 'USER MANUAL' in large bold letters, followed by 'Wireless Racing Kit' and 'ECU MASTER'. A small image of the racing kit is shown in the center.</p>	<p><a href="#">ECU MASTER Wireless Racing Kit User Manual</a></p> <p>Comprehensive guide to the ECU MASTER Wireless Racing Kit, covering installation, configuration, specifications, and troubleshooting for automotive performance enthusiasts.</p>
 <p>The image shows the cover of the Sensata WES Wheel End Sensor: Product Specification and User Manual. It features the Sensata logo at the top right, the title 'MODEL WES Product Specification User Manual', and a small image of the sensor unit.</p>	<p><a href="#">Sensata WES Wheel End Sensor: Product Specification and User Manual</a></p> <p>Detailed product specification and user manual for the Sensata WES (Wheel End Sensor) system, covering its features, parameters, and regulatory compliance for trailer monitoring.</p>
 <p>The image shows the cover of the B METERS B16RFM-RBT2 Bluetooth Wireless M-BUS Receiver Installer Setup Guide. It features the B METERS logo at the top left, the title 'Bluetooth Wireless M-BUS Receiver for Smartphones (B16RFM-RBT2)', and a small image of the receiver device. The Waterware logo is at the bottom.</p>	<p><a href="#">B METERS B16RFM-RBT2 Bluetooth M-BUS Receiver Installer Setup Guide</a></p> <p>Comprehensive installer setup guide for the B METERS B16RFM-RBT2 Bluetooth Wireless M-BUS Receiver. Learn how to install the Hydrolink mobile app, pair the device, configure frequency settings, manage read lists, export data, and set up encryption.</p>