

## Top Race TR-211M-B

# Top Race 7.4V 2000mAh Spare Replacement Battery User Manual

Models: TR-211M-B, Compatible with TR-211M RC Excavator and TR-213 RC Front Loader

## 1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Top Race 7.4V 2000mAh Spare Replacement Battery. This battery is designed to provide reliable power for your compatible Top Race RC vehicles. Please read this manual thoroughly before use.

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**Video 1:** Overview of the Top Race 7.4V 2000mAh Spare Replacement Battery. This video demonstrates the battery's appearance and connection type.

## 2. COMPATIBILITY

The Top Race 7.4V 2000mAh Spare Replacement Battery (Model TR-211M-B) is specifically designed for the following Top Race RC vehicles:

- Top Race TR-211M 23 Channel RC Excavator
- Top Race TR-213 10 Channel RC Front Loader

This battery features an XT-30 connector type, making it potentially compatible with other RC cars and trucks that utilize a 7.4V 2000mAh battery with an XT-30 connector.



**Our RC cars and trucks are compatible  
with those from other brands.**

**4.7v 2000mAh XT-30  
Connector type**

Figure 1: The 7.4V 2000mAh battery installed in a Top Race TR-211M RC Excavator.



Figure 2: The 7.4V 2000mAh battery installed in a Top Race TR-213 RC Front Loader.

### 3. SPECIFICATIONS

Key technical specifications for the Top Race 7.4V 2000mAh Spare Replacement Battery:

Feature	Specification
Model Number	TR-211M-B
Battery Type	Lithium Ion (Li-Ion)
Voltage	7.4 Volts
Capacity	2000 mAh (Milliampere Hour)
Connector Type	XT-30
Reusability	Rechargeable
Unit Count	1 Count
Battery Weight	Approximately 200 Grams

# TR-213 10 Channel RC Front Loader Battery

## 4.7v 2000mAh Spare Replacement!



Figure 3: Detailed view of the 7.4V 2000mAh battery, highlighting the XT-30 connector.

### 4. SAFETY GUIDELINES

**WARNING: Failure to follow these safety instructions may result in fire, electric shock, injury, or damage to the battery or property.**

- Always use the charger specifically designed for this battery type (Lithium Ion 7.4V). Using an incompatible charger can cause fire or explosion.
- Do not leave charging batteries unattended.
- Do not puncture, drop, short-circuit, or disassemble the battery.
- Keep the battery away from heat sources, direct sunlight, and flammable materials.
- If the battery becomes hot, swells, or shows any signs of damage during charging or use, discontinue use immediately and place it in a safe, non-flammable area.
- Store batteries in a cool, dry place, away from children and pets.
- Dispose of batteries according to local regulations. Do not dispose of in household waste.

### 5. INSTALLATION

To install the replacement battery in your Top Race RC vehicle (TR-211M Excavator or TR-213 Front Loader), follow these general steps:

1. Ensure the RC vehicle is powered off.
2. Locate the battery compartment on your RC vehicle. This is typically secured with a screw or latch.
3. Carefully open the battery compartment.
4. If replacing an old battery, disconnect its XT-30 connector from the vehicle's power port and remove the old battery.
5. Connect the new 7.4V 2000mAh battery's XT-30 connector to the vehicle's power port. Ensure the connection is firm and secure.
6. Place the battery neatly inside the compartment, ensuring no wires are pinched.
7. Close the battery compartment securely.



**Figure 4:** The battery positioned for installation into the TR-211M Excavator.



Figure 5: The battery positioned for installation into the TR-213 Front Loader.

## 6. CHARGING INSTRUCTIONS

To charge your Top Race 7.4V 2000mAh battery, use only the original Top Race charger or a compatible 7.4V Li-Ion charger with an XT-30 connector. Charging typically takes 7-8 hours for a full charge.

1. Connect the battery's XT-30 connector to the charger's output port.
2. Plug the charger into a suitable power outlet.
3. Observe the charger's indicator light (if available) to monitor the charging status. The light typically changes color or turns off when charging is complete.
4. Once fully charged, disconnect the charger from the power outlet, then disconnect the battery from the charger.

**Important: Do not overcharge the battery. Overcharging can reduce battery life and pose a safety risk.**

## Replace your TR-211M 23 Channel RC Excavator battery

with the original Top Race 4.7v 2000mAh spare battery for optimal results.



Figure 6: The 7.4V 2000mAh battery, ready for connection to a compatible charger.

## 7. MAINTENANCE AND STORAGE

- Keep the battery terminals clean and free from dirt or corrosion.
- Avoid fully discharging the battery, as this can shorten its lifespan. Recharge it before it is completely depleted.
- For long-term storage, charge the battery to approximately 50-60% capacity.
- Store the battery in a cool, dry environment, away from extreme temperatures.
- Inspect the battery regularly for any signs of damage, such as swelling, leaks, or frayed wires. Do not use a damaged battery.

## 8. TROUBLESHOOTING

If you encounter issues with your battery, consider the following:

- **Battery not charging:** Ensure the charger is properly connected to both the battery and the power outlet. Verify that the charger is functioning correctly and is compatible with a 7.4V Li-Ion battery.
- **Short run time:** The battery may not be fully charged, or its capacity may have diminished over time. Ensure a full charge cycle is completed. If the issue persists, the battery may need replacement.
- **Vehicle not powering on:** Check that the battery is securely connected to the vehicle's power port. Ensure the battery is charged. If the vehicle still does not power on, the issue may be with the vehicle itself, not the battery.

## 9. WARRANTY INFORMATION

Top Race products are manufactured to high-quality standards. For specific warranty details regarding your 7.4V 2000mAh Spare Replacement Battery, please refer to the warranty card included with your original product purchase or visit the official Top Race website. Keep your proof of purchase for warranty claims.

## 10. CUSTOMER SUPPORT

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For further assistance, technical support, or inquiries regarding your Top Race 7.4V 2000mAh Spare Replacement Battery, please contact Top Race customer service through their official website or the contact information provided with your product packaging.

**Website:** [Top Race Store on Amazon](#)