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KBT KEEP BETTER TECH 3.7V-2.6Ah-XH2.54/2Pin

KBT 3.7V 2600mAh Lithium-ion Rechargeable Battery Pack User Manual

Model: 3.7V-2.6Ah-XH2.54/2Pin

1. Introduction

This manual provides essential information for the safe and effective use of your KBT 3.7V 2600mAh Lithium-ion Rechargeable Battery Pack. This battery is designed for various applications including RC cars, RC boats, voice amplifiers, solar lights, and speakers, provided the voltage and connector type are compatible. Please read these instructions thoroughly before use to ensure optimal performance and safety.



Image 1: KBT 3.7V 2600mAh Lithium-ion Rechargeable Battery Pack with JST-XH 2.54-2Pin connector.

2. Safety Information

Lithium-ion batteries require careful handling. Adhere to the following safety guidelines to prevent injury or product damage:

- **Polarity Check:** Before connecting, always verify the battery's positive and negative polarity. The red wire is the positive pole ("+") and the black wire is the negative pole ("-"). Incorrect connection can cause damage.
- **Compatibility:** Ensure the battery's size (φ18*65mm) and plug type (JST-XH 2.54-2P) are compatible with your device. Using an incompatible battery may lead to malfunction or damage.
- **Charging:** Use only chargers specifically designed for 3.7V Lithium-ion batteries. Overcharging or using an incorrect charger can lead to overheating, fire, or explosion.
- **Physical Damage:** Do not puncture, drop, crush, or disassemble the battery. Avoid exposing it to sharp objects or excessive force.
- **Temperature:** Do not expose the battery to extreme temperatures (hot or cold), direct sunlight, or fire. Store in a cool, dry place.

- **Water Exposure:** Keep the battery away from water and moisture.
- **Short Circuit:** Avoid short-circuiting the battery terminals. This can cause severe damage to the battery and potentially lead to fire.
- **Disposal:** Dispose of used batteries responsibly according to local regulations. Do not dispose of in household waste.



Image 2: Key features including certified safety and overcharge protection.

3. Specifications

The following table details the technical specifications of your KBT 3.7V 2600mAh Lithium-ion Rechargeable Battery Pack:

Feature	Specification
Model	3.7V-2.6Ah-XH2.54/2Pin
Voltage	3.7 Volts

Feature	Specification
Capacity	2600 mAh (9.62 Wh)
Battery Cell Composition	Lithium Ion
Plug Type	JST-XH 2.54-2Pin
Dimensions (Diameter x Length)	φ18 x 65 mm (approx. 0.67 x 2.6 inches)
Weight	46g / 1.62 oz
Max Discharge Current	2A
Reusability	Rechargeable
Charge/Discharge Cycles	Approximately 800 cycles

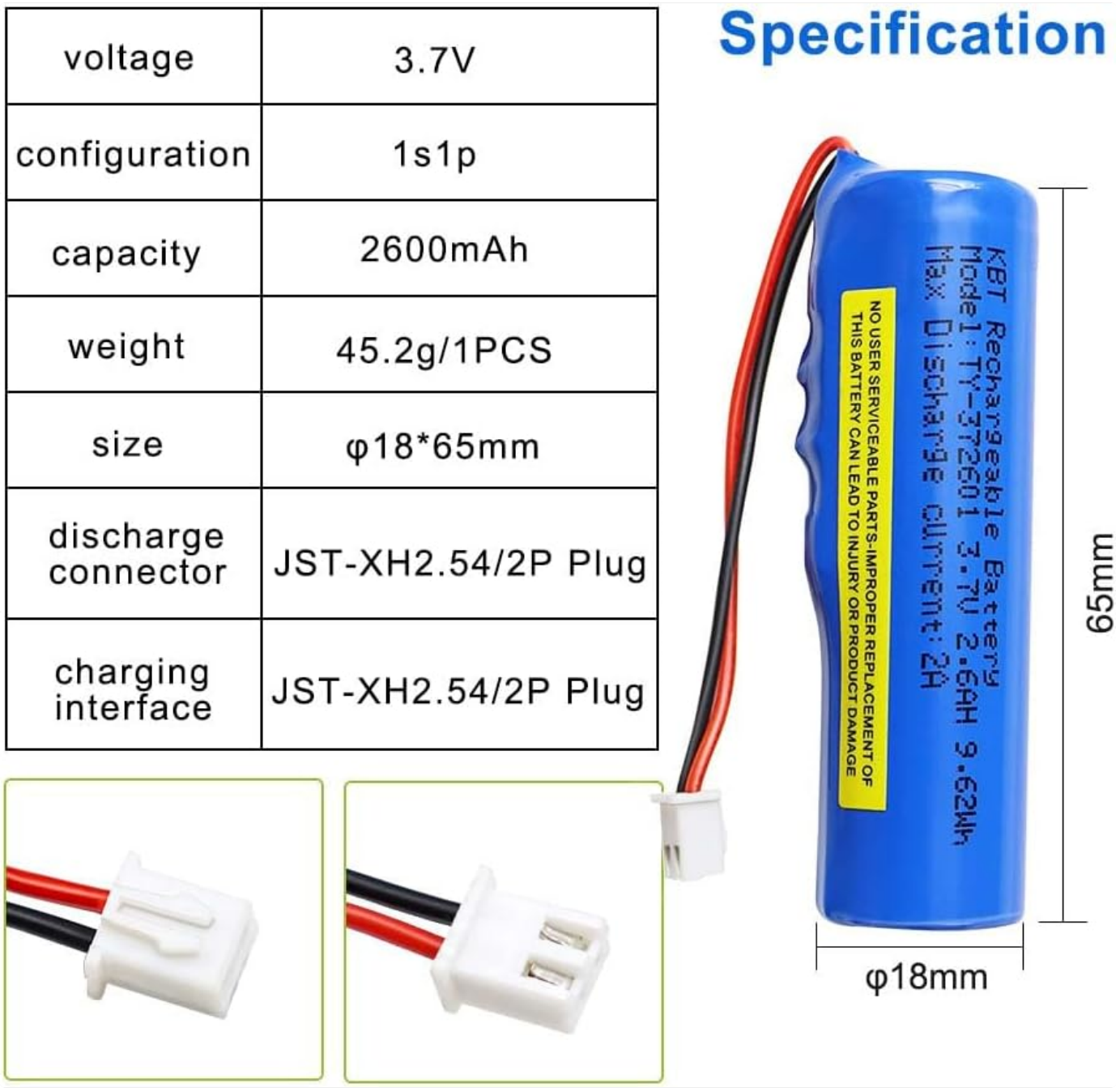


Image 3: Detailed specifications including voltage, capacity, and dimensions.



Image 4: Visual representation of battery dimensions and JST-XH 2.54-2P plug type.

4. Setup and Installation

Follow these steps to properly install your KBT battery:

1. **Verify Compatibility:** Before attempting installation, confirm that the physical size (φ18*65mm) and connector type (JST-XH 2.54-2P) of this battery match the requirements of your device.
2. **Check Polarity:** Identify the positive (red wire) and negative (black wire) terminals on both the battery and your device's connector. Ensure they align correctly.
3. **Connect Securely:** Carefully plug the JST-XH 2.54-2P connector into the corresponding port on your device. Ensure a firm and secure connection. Do not force the connector if it does not fit easily.
4. **Initial Charge:** For optimal performance, it is recommended to fully charge the battery before its first use. Refer to the "Charging" section for details.

5. Charging

To charge your KBT Lithium-ion battery:

- Use a dedicated 3.7V Lithium-ion battery charger that is compatible with the JST-XH 2.54-2P connector.
- Connect the battery to the charger, ensuring correct polarity.
- Follow the instructions provided with your charger for the charging process.
- The battery features built-in overcharge protection, but it is always best practice to monitor charging and disconnect once fully charged.

6. Operation and Usage

This KBT 3.7V 2600mAh Lithium-ion battery is versatile and compatible with a wide range of electronic devices, including:

- RC Cars and Trucks
- RC Boats
- Voice Amplifiers
- Solar Lights
- Speakers
- Electronic RC Toys
- Other devices requiring a 3.7V Lithium-ion battery with a JST-XH 2.54-2P plug.

With approximately 800 charge and discharge cycles, this battery offers long-lasting performance and reliable power for your devices.



Image 5: Examples of devices compatible with the KBT 3.7V Lithium-ion battery, including RC vehicles, solar lights, and audio equipment.

7. Maintenance

Proper maintenance extends the lifespan of your battery:

- **Storage:** Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures. Ideally, store at approximately 50% charge if not used for extended periods.
- **Regular Use:** For best results, use and recharge the battery regularly. Avoid leaving it fully discharged or fully charged for very long durations.
- **Cleaning:** Keep the battery terminals clean and free from dust or corrosion. Use a dry cloth if cleaning is necessary.

8. Troubleshooting

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

- **Battery Not Charging:**
  - Ensure the charger is functioning correctly and is compatible with 3.7V Lithium-ion batteries.
  - Check that the JST-XH 2.54-2P connector is securely plugged into both the battery and the charger.

- Verify the power source for the charger is active.

- **Short Operating Time:**
  - The battery may not be fully charged. Ensure it is charged until the charger indicates completion.
  - Battery lifespan naturally decreases over time and with usage cycles. If the battery is old or has undergone many cycles, its capacity may be reduced.
  - The device consuming power might have higher demands than expected.

- **Battery Not Powering Device:**
  - Confirm the battery is charged.
  - Check the connection between the battery and the device for looseness or damage.
  - Ensure the device itself is functioning correctly.

If problems persist, please contact customer support.

9. Warranty and Support

Your KBT 3.7V 2600mAh Lithium-ion Rechargeable Battery Pack comes with a**2-Year Manufacturer Warranty**.
Each battery undergoes rigorous safety examinations to meet UN38.3 test standards, ensuring safety during production, shipping, and usage.
If you encounter any issues caused by the battery itself, please contact KBT KEEP BETTER TECH customer support for assistance. We offer hassle-free replacement or refund for qualifying issues.
For support, please visit the KBT KEEP BETTER TECH Store on Amazon or refer to your purchase documentation for direct contact information.

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