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sea jump UDIRC U52G

sea jump 3.7V 1500mAh Lithium Battery Instruction Manual

For UDIRC U52, U52G, D50, U89S Four-axis Aircraft

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your sea jump 3.7V 1500mAh Lithium Battery. This battery is designed for specific remote control drone models, including UDIRC U52, U52G, D50, and U89S four-axis aircraft. Please read this manual thoroughly before using the battery to ensure proper operation and to prevent damage or injury.

2. PRODUCT OVERVIEW

The sea jump 3.7V 1500mAh Lithium Battery is a high-capacity power source for compatible drones, offering extended flight times. Its compact and lightweight design ensures easy portability and integration into your aircraft.

- **Voltage:** 3.7V
- **Capacity:** 1500mAh (5.55Wh)
- **Type:** Rechargeable Li-Po Battery
- **Compatibility:** UDIRC U52, U52G, D50, U89S Four-axis Aircraft



Image 1: Front view of the sea jump 3.7V 1500mAh Lithium Battery, showing its capacity and voltage.

3. SAFETY WARNINGS AND PRECAUTIONS

Failure to follow these safety instructions can result in fire, personal injury, and property damage.

⚠ WARNING: Rechargeable Li-Po Battery

- Read and follow all precautions before use.
- Keep away from damp, corrosive environments or heat sources.
- Disconnect the power and unplug the plug after using.
- Do not charge the battery when it bulges or expands.
- Improper use of batteries may lead to danger.
- Never leave charging batteries unattended.
- Use UDIRC charger only.

Additional safety guidelines:

- Never use or charge a battery that shows signs of damage, such as swelling, leaking, or overheating.
- Do not discharge the batteries with current exceeding the maximum discharge current. This can lead to

overheating, deterioration, bursting, or even fire/explosion.

- Never disassemble, puncture, shock, or crash the LiPo battery.
- Never put the battery into fire.
- Never overcharge the battery. Improper use, such as short circuit or overcharge, might cause explosion or fire.
- Never immerse the battery in seawater or saltwater, as this will endanger battery performance and life.
- Always stop using the battery when power is low to help preserve its lifespan.
- Store the battery in a safe place, out of reach of infants and children.



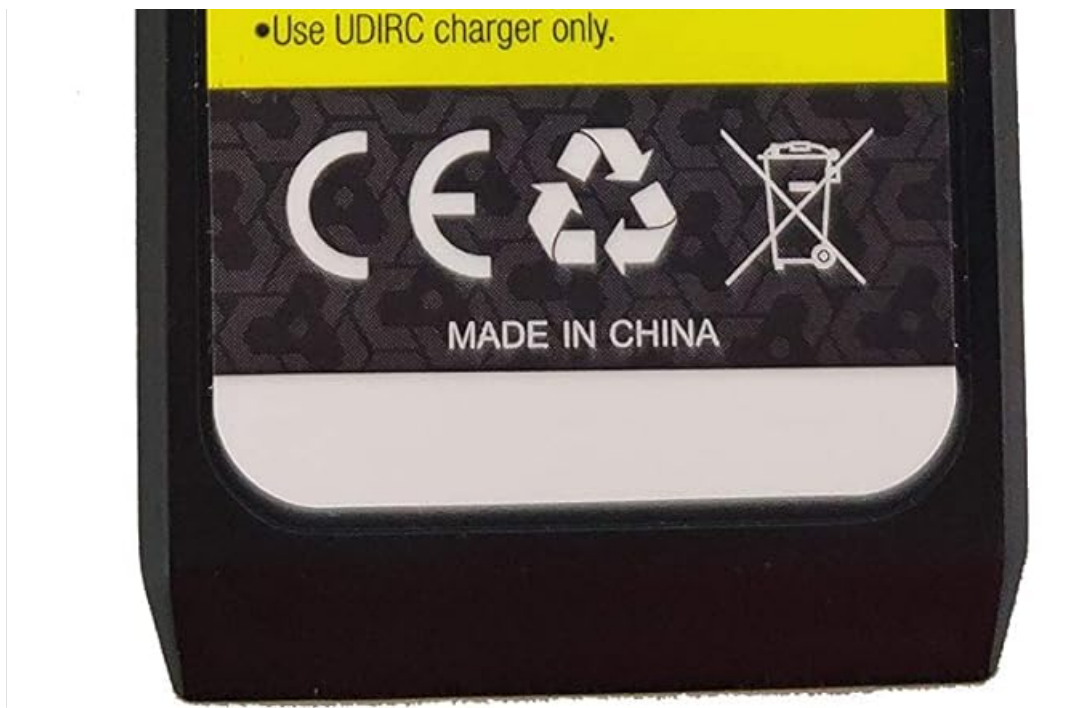


Image 2: Close-up view of the battery's warning label, detailing critical safety instructions.

4. SETUP

4.1. Charging the Battery

Before first use, fully charge the battery. Always use the original UDIRC charger or a compatible charger specifically designed for 3.7V LiPo batteries. Using an incorrect charger can damage the battery and pose a fire risk.

1. Connect the battery to the appropriate charging cable.
2. Plug the charging cable into the UDIRC charger.
3. Connect the charger to a power source.
4. Monitor the charging process. Do not leave the battery unattended while charging.
5. Once fully charged, disconnect the battery from the charger.

Note: The charging time may vary depending on the charger and the battery's discharge level. Refer to your drone's manual for specific charging indicators.

4.2. Installing the Battery

Ensure the drone is powered off before installing or removing the battery.

1. Locate the battery compartment on your UDIRC U52, U52G, D50, or U89S drone.
2. Carefully insert the battery into the compartment, ensuring the connectors align correctly.
3. Gently push the battery until it is securely seated. Do not force it.
4. Close the battery compartment cover, if applicable.



Image 3: Side view of the battery, showing its form factor for proper installation.

5. OPERATING INSTRUCTIONS

Once the battery is charged and installed, you can operate your drone according to its specific instruction manual. This battery provides the necessary power for flight.

- Always ensure the battery is fully charged before each flight for optimal performance and flight duration.
- Monitor the drone's battery indicator during flight. Land the drone safely when the battery level is low to prevent sudden power loss and potential damage.
- Avoid completely draining the battery, as this can shorten its lifespan.

6. MAINTENANCE AND STORAGE

6.1. General Maintenance

- Keep the battery terminals clean and free from debris.
- Inspect the battery regularly for any signs of damage, such as cracks, swelling, or leaks. Discontinue use immediately if any damage is observed.
- Avoid exposing the battery to extreme temperatures, direct sunlight, or moisture.

6.2. Storage

Proper storage is crucial for extending the life of your LiPo battery.

- Store the battery in a cool, dry place, ideally at room temperature (20-25°C or 68-77°F).
- Do not store the battery fully charged or fully discharged for extended periods. For long-term storage, charge the battery to approximately 50-60% of its capacity.
- Store batteries in a fireproof bag or container to minimize risk.
- Keep batteries away from flammable materials.

7. TROUBLESHOOTING

If you encounter issues with your battery, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Battery not charging	Incorrect charger, loose connection, damaged battery/charger.	Ensure correct UDIRC charger is used. Check all connections. Inspect battery and charger for damage. If damaged, replace.
Short flight time	Battery not fully charged, aging battery, extreme weather conditions.	Ensure full charge before flight. Battery capacity naturally degrades over time; consider replacement. Avoid flying in very cold conditions.
Battery swelling/bulging	Overcharging, over-discharging, physical damage, manufacturing defect.	Immediately discontinue use and safely dispose of the battery. Do NOT attempt to charge or use a swollen battery.

8. SPECIFICATIONS

Feature	Detail
Brand	sea jump
Model Number	UDIRC U52G (also compatible with U52, D50, U89S)
Battery Type	Lithium Polymer (LiPo)
Voltage	3.7V
Capacity	1500mAh (5.55Wh)
Item Weight	Approximately 1.66 ounces (47g)
Package Dimensions	Approximately 4.6 x 3 x 1.3 inches
Recommended Use	Remote Control Drones (UDIRC U52, U52G, D50, U89S)

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your sea jump 3.7V 1500mAh Lithium Battery, please contact the seller or manufacturer directly. Refer to your purchase documentation for specific contact details.

Always ensure you are purchasing genuine sea jump products from authorized retailers to ensure product quality and eligibility for support.