

LIENIAO BP-252

BP-252 7.4V Li-ion Battery User Manual

For ICOM IC-M2A, IC-M21, IC-M31, IC-M32, IC-M33, IC-M35, IC-M36, IC-M90, IC-M90E, GM1600E, GM1600, IC-M34 Radios

1. INTRODUCTION

Thank you for choosing the LIENIAO BP-252 7.4V Li-ion Battery. This battery is designed as a high-quality replacement and compatible power source for various ICOM marine handheld radios, including models such as IC-M2A, IC-M21, IC-M31, IC-M32, IC-M33, IC-M35, IC-M36, IC-M90, IC-M90E, GM1600E, GM1600, and IC-M34. This manual provides essential information for the safe and effective use, charging, and maintenance of your new battery.

2. SAFETY INFORMATION

WARNING: Read all safety warnings and instructions before using this battery. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- Do not open, jolt, short-circuit, or incinerate the battery.
- The battery may ignite or burst if not used with specified items.
- Keep the battery away from water, moisture, and high temperatures.
- Do not dispose of the battery in household waste. Follow local regulations for proper disposal of Li-ion batteries.
- Do not attempt to disassemble, modify, or repair the battery.
- Use only chargers specified for Li-ion batteries and compatible with the BP-252 model.
- If the battery leaks, avoid contact with the liquid. If contact occurs, wash immediately with water.

3. PRODUCT OVERVIEW

The BP-252 is a 7.4V Li-ion battery pack designed for reliable performance. It features a robust construction and built-in microchip protection against overcharging, over-discharging, short-circuiting, and overheating.



Image: Front and back view of the BP-252 battery, showing the label with model number, voltage, capacity, and safety warnings.



Image: An angled perspective of two BP-252 batteries, highlighting their compact design.

Compatible Battery Model: BP-252



Image: The BP-252 battery displayed with text indicating its compatibility as a battery model.



Image: The BP-252 battery shown alongside graphics indicating its 7.4V voltage and 1800mAh capacity.

4. SETUP

To install the BP-252 battery into your compatible ICOM radio:

1. Ensure your radio is powered off.
2. Locate the battery compartment on the back of your radio.
3. Align the battery with the compartment, ensuring the contacts on the battery match the terminals in the radio.
4. Gently push the battery into place until it clicks securely.
5. If your radio has a battery latch or cover, secure it according to your radio's specific instructions.

5. OPERATING (CHARGING)

For optimal performance and longevity, it is crucial to charge the BP-252 battery correctly.

Initial Charging

For the first 3 charging and discharging cycles, we kindly suggest fully draining the battery before fully charging it. This practice can greatly improve the overall life of the BP-252 battery.

Standard Charging Procedure

1. Connect your compatible ICOM radio (with the BP-252 battery installed) or the BP-252 battery directly to its designated charger.
2. Ensure the charger is connected to a stable power source.
3. Observe the charging indicator on your radio or charger. It will typically show a solid light or change color when charging is complete.
4. Once fully charged, disconnect the battery or radio from the charger.

6. MAINTENANCE

Proper maintenance can extend the life and performance of your BP-252 battery.

- **Storage:** If storing the battery for an extended period, charge it to approximately 50% capacity and store it in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cleaning:** Periodically clean the battery contacts with a clean, dry cloth to ensure good connection with the radio and charger.
- **Avoid Deep Discharge:** While the battery has protection, try to avoid consistently running the battery completely flat before recharging, especially after the initial cycles.
- **Temperature:** Avoid exposing the battery to extreme hot or cold temperatures, as this can degrade performance and shorten lifespan.

7. TROUBLESHOOTING

If you encounter issues with your BP-252 battery, consider the following common solutions:

- **Battery Not Charging:**
 - Ensure the charger is properly connected to a power source and the battery.
 - Check for any debris or corrosion on the battery and charger contacts and clean them if necessary.
 - Verify that the charger is compatible with the BP-252 battery.
- **Short Battery Life:**
 - Ensure the battery is fully charged before use.
 - Review the initial charging recommendations (full drain/charge for first 3 cycles).
 - Extreme temperatures can affect battery performance; avoid using or storing in very hot or cold conditions.
 - The battery has a lifespan of over 800 charge cycles. If it has exceeded this, replacement may be necessary.
- **Battery Not Fitting Correctly:**
 - Double-check that your radio model is listed as compatible with the BP-252 battery.
 - Ensure proper alignment of the battery within the compartment.

If problems persist, please refer to the Warranty & Support section for assistance.

8. SPECIFICATIONS

Model Number	BP-252
Battery Type	Li-ion (Lithium Polymer)
Voltage	7.4V
Capacity	1800mAh (13.32Wh)
Estimated Charge Cycles	Over 800
Item Weight	3.2 ounces
Package Dimensions	5 x 4.7 x 1.5 inches
Manufacturer	LIENIAO

9. WARRANTY & SUPPORT

LIENIAO is committed to providing excellent customer service. If you have any questions, concerns, or require assistance with your BP-252 battery, please do not hesitate to contact us. We aim to provide a satisfactory resolution within 24 hours and address all quality-related issues with a replacement or refund.

Please refer to your purchase documentation or the seller's contact information for specific details on how to reach customer support.