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BAOFENG BL-W31

BAOFENG BL-W31 Battery User Manual

Model: BL-W31 | Brand: BAOFENG

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your BAOFENG BL-W31 Li-ion battery. This 1500mAh rechargeable battery is designed for compatibility with BAOFENG W31, WP31, and MP31 two-way radios, offering reliable power and convenient USB-C charging.

2. SAFETY INFORMATION

CAUTION:

- Do not remove plastic covering from battery pack.
- Do not disassemble.
- Do not dispose of in fire.
- Do not charge at hazardous locations.
- Do not short-circuit the terminals.

The BL-W31 battery incorporates advanced protection features including low heat dissipation, overcurrent protection, over-temperature protection, and PCM short circuit protection to enhance safety and longevity. Always handle the battery with care and follow these guidelines.





Image 2.1: Battery label with safety warnings and specifications.

3. PACKAGE CONTENTS

Verify that your package contains the following item:

- 1 x BAOFENG BL-W31 Li-ion Battery



Image 3.1: BAOFENG BL-W31 Battery.

4. SETUP AND INSTALLATION

To install the BL-W31 battery into your compatible BAOFENG radio (W31, WP31, MP31):

1. Ensure the radio is powered off.
2. Align the battery with the battery compartment on the back of the radio.
3. Gently slide the battery into place until it clicks securely. Ensure the metal contacts on the battery align with those in the radio.
4. To remove, press the release latch (if present on your radio model) and slide the battery out.





Image 4.1: Battery contacts for radio connection.

5. CHARGING INSTRUCTIONS

The BAOFENG BL-W31 battery features a convenient USB-C charging port.

1. Locate the USB-C port on the side or bottom of the battery.
2. Connect a standard USB-C charging cable to the battery's port.
3. Connect the other end of the USB-C cable to a compatible USB power source (e.g., wall adapter, computer USB port, power bank).
4. The charging indicator light (if present) will illuminate to show charging status. Refer to your radio's manual or the battery's visual indicators for specific light behaviors (e.g., red for charging, green for fully charged).

5. Once fully charged, disconnect the charging cable.



Image 5.1: USB-C charging port and indicator lights.

6. OPERATING INSTRUCTIONS

Once the BL-W31 battery is securely installed and charged, your radio is ready for operation. Refer to your specific BAOFENG radio model's user manual for detailed operating instructions, as battery usage is integrated with the radio's functions.

- Ensure the battery is fully charged for optimal performance.
- Monitor the radio's battery level indicator to know when recharging is necessary.
- The battery is designed for perfect compatibility with BAOFENG W31, WP31, and MP31 radio models.

7. MAINTENANCE

Proper maintenance ensures the longevity and performance of your BL-W31 battery:

- **Storage:** Store the battery in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, charge the battery to approximately 50% capacity.
- **Cleaning:** If the battery contacts become dirty, gently wipe them with a clean, dry cloth. Do not use liquids or abrasive cleaners.
- **Disposal:** Lithium-ion batteries must be recycled or disposed of properly. Do not dispose of in household waste. Consult local regulations for proper battery recycling facilities.

8. TROUBLESHOOTING

If you encounter issues with your BL-W31 battery, consider the following:

- **Battery Not Charging:**

- Ensure the USB-C cable is securely connected to both the battery and the power source.
- Verify that the power source is active and providing power.
- Try a different USB-C cable or power adapter.

- **Radio Not Powering On with Battery:**

- Ensure the battery is fully charged.
- Verify the battery is correctly installed and securely seated in the radio's compartment.
- Check the battery contacts on both the battery and the radio for any obstructions or damage.

- **Short Battery Life:**

- Ensure the battery is being fully charged each time.
- Battery capacity naturally degrades over time with repeated charge cycles.
- Operating the radio in extreme temperatures can affect battery performance.

If problems persist, contact BAOFENG customer support for further assistance.

9. SPECIFICATIONS

Attribute	Value
Model Number	BL-W31
Battery Cell Composition	Lithium Ion
Battery Capacity	1500 mAh
Energy	5.55 Wh
Nominal Voltage	3.7V DC
Charging Port	USB-C
Item Weight	1.76 ounces (50 grams)
Compatible Radio Models	BAOFENG W31, WP31, MP31
Manufacturer	BAOFENG Electronics Co., Ltd

10. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your BAOFENG BL-W31 battery, please contact BAOFENG customer service directly. Refer to the official BAOFENG website or your product packaging for the most current contact details.