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BAOFENG BC-32UV

BAOFENG BC-32UV Radio Battery User Manual

Model: BC-32UV, Compatible with DM-32, UV-32 Series Walkie Talkies

1. Introduction

This manual provides essential information for the safe and effective use of your BAOFENG BC-32UV Radio Battery. This 2500mAh Lithium-Ion battery is designed for extended operation with compatible BAOFENG DM-32 and UV-32 series walkie-talkies, featuring convenient USB-C charging capabilities.



Image 1.1: BAOFENG BC-32UV Radio Battery and its USB-C charging base. The battery features a label with model number BC-32UV, DC7.4V, 2500mAh, 18.5Wh, and charging limit voltage 8.4V. It also displays caution warnings and recycling symbols.

2. Safety Information and Cautions

Please read and understand all safety warnings before using the battery. Failure to follow these instructions may result in fire, electric shock, injury, or damage to the product or property.

- **Do not disassemble:** Attempting to disassemble the battery can lead to internal damage, short circuits, and potential hazards.
- **Do not dispose of in fire:** Lithium-ion batteries can explode or ignite when exposed to high temperatures or fire.
- **Do not change or use in hazardous locations:** Avoid charging or operating the battery in environments with flammable gases, vapors, or dust.
- **Do not short-circuit the terminals:** Accidental short-circuiting of the battery terminals can cause excessive heat, fire, or damage to the battery.
- **Proper disposal:** This product must be recycled or disposed of properly. Do not dispose of with general household waste. Recycling facilities may not exist in all areas; please check local regulations.
- **Temperature Range:** Operate the battery reliably within -20°C to 60°C (-4°F to 140°F).

- **Humidity:** Reinforced cells prevent swelling in up to 95% humidity.

3. Setup and Charging

The BAOFENG BC-32UV battery is designed for convenient charging via USB-C. It also supports charging with original desktop chargers.

3.1 Initial Charge

Before first use, fully charge the battery. A full charge typically takes approximately 1.5 hours to reach 80% capacity.

3.2 Charging Methods

The battery offers multiple charging options for flexibility:

- **USB-C Direct Charging:** Connect a standard USB-C cable to the battery's USB-C port. This allows charging from various sources.
- **Original Desktop Charger:** The battery is compatible with original BAOFENG desktop chargers for traditional charging.



Image 3.1: The BAOFENG BC-32UV battery can be charged using various USB-C power sources, including a computer, wall plug, power bank, and car charger.

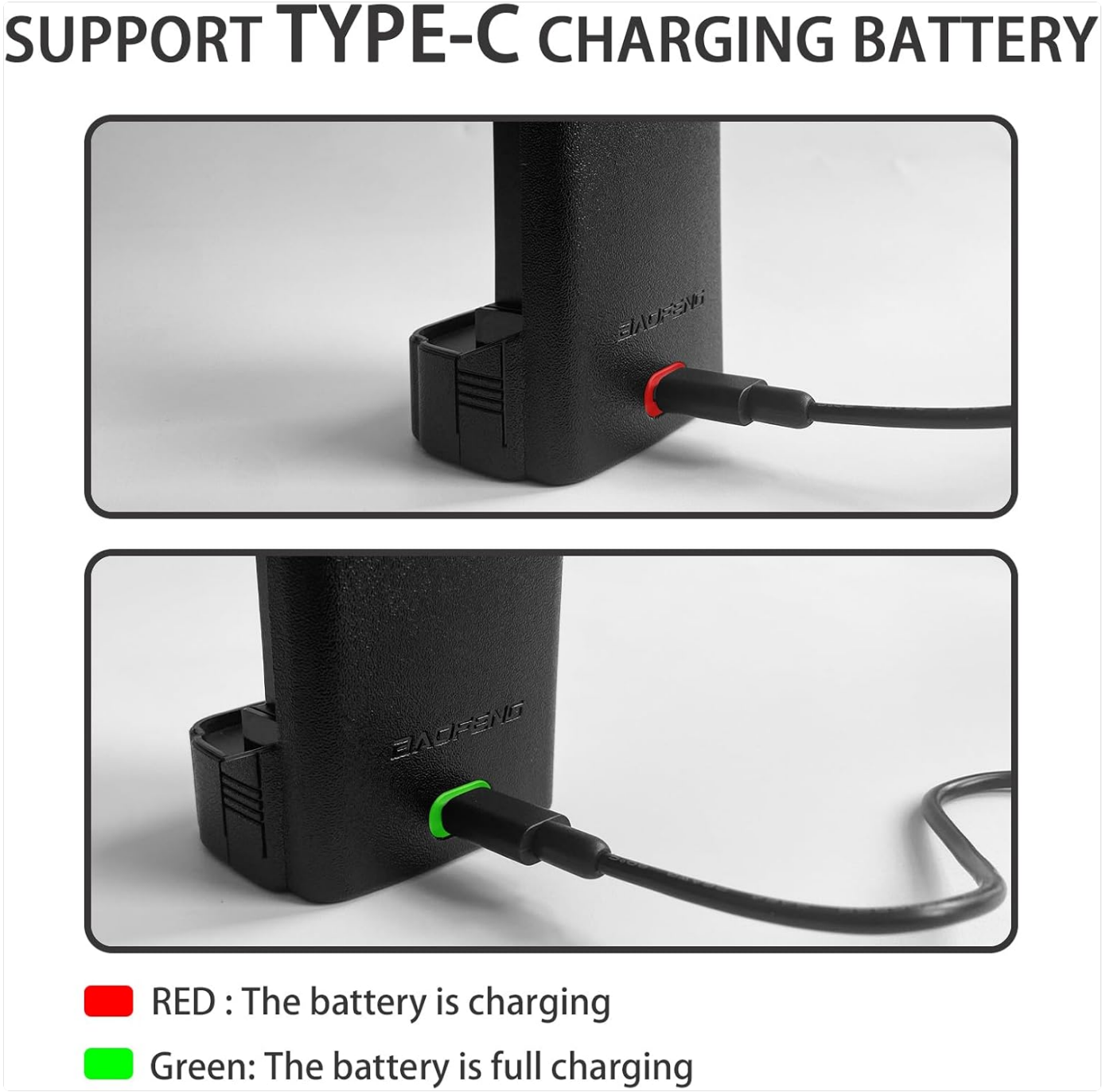


Image 3.2: The battery features an indicator light for charging status. A red light indicates the battery is charging, while a green light indicates the battery is fully charged.

4. Operating the Battery

The BC-32UV battery is designed to seamlessly integrate with compatible BAOFENG walkie-talkies.

4.1 Installing the Battery

1. Ensure the walkie-talkie is powered off.
2. Align the battery with the battery compartment on the back of your compatible BAOFENG radio (e.g., DM-32, UV-32 series).
3. Slide the battery into place until it clicks securely.



Image 4.1: The BC-32UV battery, model BC-32UV, with a capacity of DC7.4V 2500mAh and a charge limit voltage of 8.4V, shown attached to the base of a walkie-talkie.

4.2 Battery Performance

- **Extended Runtime:** Provides up to 22 hours of continuous operation.
- **High Power Transmission:** Supports 10W high-power transmission for reliable communication.
- **Standby Time:** Maintains 96 hours of standby for GPS positioning and other low-power functions.

5. Maintenance and Storage

Proper maintenance and storage will extend the lifespan of your BAOFENG BC-32UV battery.

- **Cleaning:** Use a dry, soft cloth to clean the battery and its terminals. Do not use harsh chemicals or abrasive cleaners.
- **Storage Temperature:** Store the battery in a cool, dry place, ideally between 0°C and 25°C (32°F and 77°F). Avoid extreme temperatures.

- **Long-Term Storage:** For long-term storage, charge the battery to approximately 50% capacity. Recharge every 3-6 months to prevent deep discharge.
- **Cycle Life:** The battery is lab-tested for 500 cycles, retaining at least 80% of its original capacity.

6. Troubleshooting

If you encounter issues with your BAOFENG BC-32UV battery, consider the following:

Problem	Possible Cause	Solution
Battery not charging	Loose connection, faulty cable/charger, battery too hot/cold.	Ensure USB-C cable is securely connected. Try a different USB-C cable or charger. Allow battery to reach room temperature before charging.
Short operating time	Battery not fully charged, aging battery, high power consumption.	Ensure battery is fully charged (green indicator). If battery is old, its capacity may have degraded. Reduce transmission power if possible.
Battery not fitting in radio	Incorrect model, improper alignment.	Verify compatibility with your radio model (DM-32/UV-32 series). Re-align and ensure proper insertion.

7. Specifications

Feature	Detail
Model	BC-32UV
Battery Type	Lithium-Ion
Capacity	2500 mAh (Milliamp Hours)
Voltage	7.4V
Energy	18.5 Wh
Charging Interface	USB-C
Operating Temperature	-20°C to 60°C (-4°F to 140°F)
Dimensions (L x W x D)	4.21 x 2.26 x 1.56 inches
Weight	4.59 oz
Safety Standards	UN38.3/IEC62133

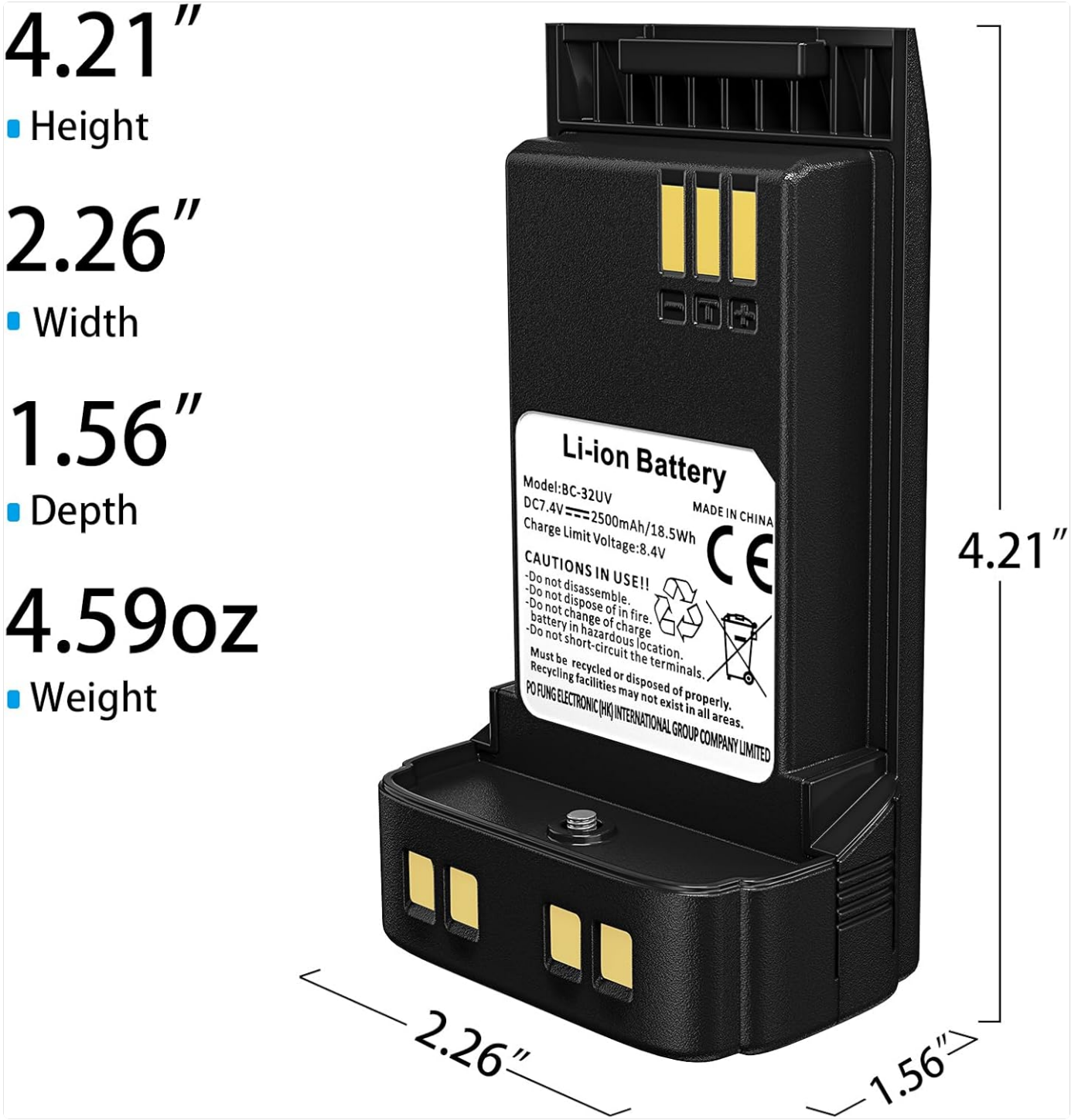


Image 7.1: Detailed dimensions of the BAOFENG BC-32UV battery: 4.21 inches height, 2.26 inches width, 1.56 inches depth, and a weight of 4.59 ounces.

8. Warranty and Support

For warranty information and technical support, please refer to the official BAOFENG website or contact your authorized dealer. Keep your purchase receipt as proof of purchase.

Manufacturer: BAOFENG

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