

## BAOFENG BL-21UV

# BAOFENG UV-21R BL-21UV Li-ion Battery User Manual

Model: BL-21UV

## 1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your BAOFENG UV-21R BL-21UV Li-ion Battery. This high-capacity battery is designed to power BAOFENG UV-21, UV-21R, UV-21 Pro, UV-21 Pro V2, and UV-21 Pro V3 series two-way radios, ensuring extended communication during various activities.

## 2. SAFETY INFORMATION

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

- Do not disassemble the battery.
- Do not dispose of the battery in fire.
- Do not charge the battery in a hazardous location.
- Do not short-circuit the terminals.
- Recycle or dispose of the battery properly according to local regulations.
- Keep the battery away from water and extreme temperatures.



Image: Front view of the BAOFENG BL-21UV Li-ion Battery, showing the model number, charge limit voltage, and printed safety

cautions including warnings against disassembly, disposal in fire, charging in hazardous locations, and short-circuiting terminals. It also shows recycling symbols.

### 3. SETUP AND INSTALLATION

The BL-21UV battery is designed for easy installation into compatible BAOFENG UV-21 series two-way radios.

1. Ensure your radio is powered off before installing or removing the battery.
2. Align the battery with the battery compartment on the back of your BAOFENG UV-21 series radio.
3. Gently slide the battery into place until it clicks securely.
4. To remove, press the battery release latch (if present on your radio model) and slide the battery out.

### 4. CHARGING INSTRUCTIONS

The BAOFENG BL-21UV battery features convenient USB-C charging. It can be charged using a USB direct connection or a compatible desktop charger.

# UV-21R Battery

**High Capacity**

**Long Standby**

**Li-ion Battery**



**USB-C Port**

**8.4V**

Image: The BAOFENG UV-21R battery highlighting its USB-C charging port and an included USB-C charging cable, emphasizing its high capacity and long standby time.

#### 4.1. USB-C Direct Charging

1. Locate the USB-C port on 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., power bank, PC, wall adapter, laptop).
4. The LED indicator on the battery will show the charging status.

#### 4.2. Charging Indicator



Image: A close-up of the BAOFENG battery's LED indicator. It illustrates that a red light signifies the battery is currently charging, and a green light indicates the battery is fully charged.

- **Red LED:** Battery is charging.
- **Green LED:** Battery is fully charged.

Charging time may vary depending on the power source and the battery's current charge level. Avoid overcharging by disconnecting the battery once the green LED indicates a full charge.

#### 5. OPERATION AND USAGE

Once installed and charged, the battery powers your compatible BAOFENG UV-21 series two-way radio. The high capacity ensures extended standby and talk time.

- Ensure the battery is fully charged before extended use, especially for outdoor activities.
- Monitor your radio's battery level indicator to know when recharging is necessary.
- For optimal battery life, avoid completely draining the battery frequently.

# For BAOFENG UV-21R

-Two Way Radio-



USB-C Charging is more convenient. You can easily charge it from power bank, PC, car, wall, laptop and any usb slot.



-This link just for battery-

Image: Three BAOFENG UV-21R two-way radios in different colors (black, green, orange), illustrating their compatibility with the battery. A close-up inset shows the USB-C charging port, emphasizing the convenience of charging from various USB sources.

## 6. MAINTENANCE AND STORAGE

- Keep the battery clean and dry. Wipe with a soft, dry cloth if necessary.
- Store the battery in a cool, dry place away from direct sunlight and extreme temperatures.
- If storing for an extended period, charge the battery to approximately 50% capacity. Avoid storing a fully charged or completely depleted battery for long durations.
- Do not expose the battery to moisture or corrosive substances.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Battery not charging	Loose USB-C connection; faulty cable/charger; battery too hot/cold; battery defect.	Ensure cable is securely connected. Try a different USB-C cable or power source. Allow battery to reach room temperature. If problem persists, contact support.

Problem	Possible Cause	Solution
Short operating time after full charge	Battery degradation; extreme operating temperatures.	Battery capacity naturally decreases over time. Ensure operation within recommended temperature ranges. Consider replacing the battery if performance is significantly reduced.
Radio not powering on with battery	Battery not installed correctly; battery depleted; battery defect; radio issue.	Re-install battery securely. Charge the battery fully. Test with another known good battery if available. If issue persists, consult your radio's manual or contact radio support.

## 8. SPECIFICATIONS

Feature	Detail
Model Number	BL-21UV
Battery Type	Li-ion Battery
Nominal Voltage	8.4V (Charge Limit)
Battery Capacity	1800 Milliamp Hours
Charging Interface	USB-C
Standby Time	5-7 days (approximate)
Compatible Radios	UV-21/UV-21R/UV-21 Pro/UV-21 Pro V2/UV-21 Pro V3 Series
Item Weight	3.84 ounces (108.87 grams)
Package Dimensions	5.11 x 3.74 x 0.78 inches (12.98 x 9.5 x 1.98 cm)





Image: A diagram showing the physical dimensions of the BAOFENG BL-21UV battery, with measurements in both inches and centimeters for length (4.22"/10.72cm), width (2.23"/5.43cm), and thickness (0.71"/1.81cm).

## 9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your BAOFENG BL-21UV battery, please refer to the documentation provided with your original purchase or contact BAOFENG customer service directly. Contact details can typically be found on the official BAOFENG website or through your retailer.

If you have any problems with compatible models, please feel free to reach out to the seller for assistance.

<p>MANUAL DO USUÁRIO</p> <p>Baofeng (Pofung) <b>UV-5R</b></p>  <p><small>versão 1.1 Português BR por PU005</small></p>	<p><a href="#">Manual do Usuário Baofeng UV-5R: Guia Completo para Rádio Transceptor Portátil</a></p> <p>Este manual do usuário fornece um guia completo para o rádio transceptor portátil Baofeng UV-5R, cobrindo recomendações de segurança, conteúdo da caixa, carregamento da bateria, instalação de acessórios, operação básica, especificações técnicas, funções do menu, subtons CTCSS/DCS, e soluções para problemas comuns.</p>
<p><b>BAOFENG</b> Amateur Radio UV-25 PLUS</p> <p><b>USER'S MANUAL</b></p>	<p><a href="#">BAOFENG UV-25 PLUS Amateur Radio User's Manual</a></p> <p>Comprehensive user manual for the BAOFENG UV-25 PLUS Amateur Radio, a dual-band handheld transceiver. This guide covers essential features, basic operations, battery information, safety warnings, FCC compliance, and advanced functions to help users maximize performance and ensure safe operation.</p>
	<p><a href="#">Baofeng UV-82, UV-9R Plus, UV-XR Radio Transceiver User Manual</a></p> <p>Comprehensive user manual for Baofeng UV-82, UV-9R Plus, and UV-XR radio transceivers, covering safety, features, assembly, battery usage, controls, LCD display, operation modes, built-in functions, menu settings, CTCSS/DCS tones, and technical specifications.</p>
<p><small>Kabel USB de Baofeng UV-5R, UV-82, UV-6R, BF-888s</small></p> 	<p><a href="#">Programowanie Radiotelefonów Baofeng za pomocą Oprogramowania CHIRP</a></p> <p>Przewodnik krok po kroku dotyczący programowania radiotelefonów Baofeng UV-5R, UV-82, UV-6R, BF-888s przy użyciu kabla USB i oprogramowania CHIRP. Zawiera instrukcje instalacji sterowników, podłączania, konfiguracji pamięci i ustawień zaawansowanych.</p>
<p><b>BAOFENG</b> GMRS Two Way Radio UV-9G</p> <p><b>User Manual</b></p>	<p><a href="#">BAOFENG UV-9G GMRS Two Way Radio User Manual</a></p> <p>Comprehensive user manual for the BAOFENG UV-9G GMRS Two Way Radio, covering operation, features, safety warnings, charging, installation, and troubleshooting. Includes FCC compliance information for optimal performance and safe usage.</p>
	<p><a href="#">BAOFENG UV-5R VHF/UHF FM Transceiver User Manual</a></p> <p>Comprehensive user manual for the BAOFENG UV-5R VHF/UHF FM Transceiver, covering operation, features, battery care, troubleshooting, and programming. Learn how to use this dual-band, dual-watch amateur radio with CTCSS/DCS, VOX, and DTMF functions.</p>