

## BAOFENG UV-5R, BF-S112

# BAOFENG UV-5R Battery and BF-S112 Speaker Instruction Manual

Comprehensive guide for the BAOFENG UV-5R Two-Way Radio Battery and BF-S112 Two Way Radio Speaker.

## INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your BAOFENG UV-5R Two-Way Radio Battery and BAOFENG BF-S112 Two Way Radio Speaker. Please read this manual thoroughly before operating the products to ensure proper function and longevity.

## PRODUCT OVERVIEW

### BAOFENG UV-5R Two-Way Radio Battery (Model: BL-5)

The BAOFENG UV-5R battery is an original replacement or spare power source designed specifically for the BAOFENG UV-5R series two-way radios. It provides reliable power for extended operation.

- **Voltage:** 7.4V
- **Capacity:** 1800 mAh
- **Type:** Li-ion Battery
- **Compatibility:** Specifically designed for BaoFeng UV-5R radios.



Image: Front view of the BAOFENG UV-5R Li-ion battery, displaying the BAOFENG logo and electrical contact points.



Image: Rear view of the BAOFENG UV-5R Li-ion battery, featuring the specification label with voltage, capacity, and safety warnings.

## BAOFENG BF-S112 Two Way Radio Speaker

The BAOFENG BF-S112 speaker microphone is an accessory designed to enhance communication for two-way radio users. It allows for convenient speaking and listening without needing to hold the radio directly.

- **Connector Type:** 2-Pin (1x 3.5mm ear jack, 1x 2.5mm mic jack)
- **Earpiece Socket:** Integrated 3.5mm socket for privacy usage.
- **Clip:** Strong, rotatable clip for secure attachment.
- **Cable Length:** Approximately 3 feet (914 mm).



Image: Front view of the BAOFENG BF-S112 speaker microphone, showing the speaker grille, microphone, and the attached 2-pin connector cable.



Image: Rear view of the BAOFENG BF-S112 speaker microphone, illustrating the robust, rotatable clip for attachment to clothing or gear.

## SETUP

### Battery Installation (UV-5R Battery)

1. Ensure the radio is powered off before installing or removing the battery.
2. Align the battery with the battery compartment on the back of the BAOFENG UV-5R radio.
3. Slide the battery upwards until it clicks securely into place.
4. To remove, press the release latch (if present on your radio model) and slide the battery downwards.

### Speaker Connection (BF-S112 Speaker)

1. Locate the 2-pin accessory jack on your compatible two-way radio.
2. Insert the 3.5mm (top) and 2.5mm (bottom) plugs of the BF-S112 speaker into the corresponding ports on the radio. Ensure a firm connection.
3. The speaker is ready for use once connected.
4. To use a private earpiece, plug it into the 3.5mm earpiece socket located on the underside of the BF-S112 speaker.

## OPERATING INSTRUCTIONS

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### Using the UV-5R Battery

- **Charging:** Use only the original BAOFENG charger designed for the UV-5R radio and battery. Connect the radio with the battery installed to the charger. The charging indicator will typically show red during charging and green when fully charged.
- **Battery Life:** Battery life varies based on usage (transmit vs. receive time). A fully charged 1800mAh battery provides standard operating time for the UV-5R radio.
- **Storage:** For long-term storage, charge the battery to approximately 50% and store it in a cool, dry place.

### Using the BF-S112 Speaker

- **Transmission (PTT):** Press and hold the large Push-To-Talk (PTT) button on the side of the speaker to transmit. Speak clearly into the microphone. Release the PTT button to stop transmitting and listen.
- **Reception:** Audio from the radio will be routed through the speaker. Adjust the radio's volume control for desired listening level.
- **Clip Usage:** Utilize the rotatable clip on the back of the speaker to attach it to your collar, pocket, or other convenient location for hands-free operation.
- **Earpiece Use:** When an earpiece is plugged into the 3.5mm jack on the speaker, audio will be directed to the earpiece for private listening.

## MAINTENANCE

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### Battery Care (UV-5R Battery)

- Avoid fully discharging the battery frequently, as this can reduce its lifespan.
- Do not expose the battery to extreme temperatures (hot or cold).
- Keep battery contacts clean and dry.
- If the battery shows signs of damage, swelling, or leakage, discontinue use immediately and dispose of it properly according to local regulations.

### Speaker Care (BF-S112 Speaker)

- Keep the speaker and cable clean and free from dust and debris.
- Avoid pulling on the cable forcefully, as this can damage the internal wiring or connectors.
- Do not immerse the speaker in water. It is not water-resistant.
- Store the speaker in a dry environment when not in use.

## TROUBLESHOOTING

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## UV-5R Battery Issues

- **Battery not charging:**
  - Ensure the battery is properly seated in the radio and the radio is correctly placed in the charger.
  - Verify the charger is plugged into a working power outlet.
  - Check for any visible damage to the battery or charger.
- **Short battery life:**
  - Battery capacity may degrade over time with repeated charge cycles.
  - High transmit power settings or frequent transmissions will consume more power.
  - Consider replacing the battery if it's old or significantly underperforming.

## BF-S112 Speaker Issues

- **No audio from speaker:**
  - Ensure the 2-pin connector is fully inserted into the radio's accessory jack.
  - Check the radio's volume level.
  - If an earpiece is connected, ensure it is working and properly plugged into the speaker's 3.5mm jack.
  - Test the speaker with another compatible radio if possible.
- **Microphone not transmitting:**
  - Ensure the PTT button is fully pressed during transmission.
  - Verify the speaker is securely connected to the radio.
  - Check radio settings to ensure external microphone input is enabled, if applicable.

## SPECIFICATIONS

### BAOFENG UV-5R Battery (Model: BL-5)

Voltage	7.4 Volts
Capacity	1800 mAh
Type	Li-ion Battery
Compatible Radio	BAOFENG UV-5R

### BAOFENG BF-S112 Two Way Radio Speaker

Connector Type	2-Pin (1x 3.5mm Ear, 1x 2.5mm Mic)
Earpiece Socket	3.5mm (underside)
Cable Length	Approx. 3 feet (914 mm)
Special Feature	Rotatable Clip
Water Resistance Level	Not Water Resistant

## Compatible Radio Models for BF-S112 Speaker

The BF-S112 speaker is compatible with various two-way radio models, including but not limited to:

- **BAOFENG:** GT-3, BF-888S, UV-5R Plus, UV-5R, UV-5R Plus Qualette, UV-5R E Plus, UV-5R B, UV-B5, UV-82, UV-82L
- **Kenwood (KPG-22 compatible):** TK-240, TK-250, TK-255, TK-260, TK-260G, TK-270, TK-270G, TK-272G, TK-278, TK-278G, TK-340, TK-349, TK-350, TK-353, TK-360, TK-360G, TK-370, TK-370G, TK-373G, TK-378, TK-378G, TK-430, TK-431, TK-715, TK-2100, TK-2102, TK-2107, TK-2118, TK-2160, TK-3100, TK-3101, TK-3102, TK-3107, TK-3118, TK-3160
- **Linton:** LT-2288, LT-3288, LT-6288, LT-5288, LT-3188, LT-2188, LT-3260, LT-2268, LT-3268, LT-6188

## WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the documentation provided with your original BAOFENG radio or contact BAOFENG customer service directly. Specific warranty terms may vary by region and retailer.