

Gemmac XLN-297SW

GEMMAC Multifunction Emergency Radio XLN-297SW User Manual

Model: XLN-297SW

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1. PRODUCT OVERVIEW

The GEMMAC XLN-297SW is a versatile multifunction emergency radio designed for reliability in various situations, including outdoor activities and emergencies. It integrates AM/FM/SW radio reception, multiple charging options, a power bank function, an LED flashlight, and an SOS alarm.



Image 1.1: Front view of the GEMMAC XLN-297SW Emergency Radio.

2. KEY FEATURES

- **AM/FM/SW Radio:** Access to a wide range of radio frequencies for news, weather, and entertainment.
- **Multiple Power Sources:** Rechargeable via solar panel, hand crank dynamo, or USB-C cable.
- **2000mAh Power Bank:** Built-in lithium-ion battery to charge smartphones and other USB devices.
- **LED Flashlight:** Integrated flashlight with multiple modes for illumination.
- **SOS Alarm:** Activates a loud siren and flashing light for emergency signaling.
- **Compact and Portable:** Designed for easy transport and storage.

3. PACKAGE CONTENTS

Please check the package for the following items:

- GEMMAC XLN-297SW Emergency Radio
- USB Charging Cable
- Keychain Cord
- User Manual (this document)

4. PRODUCT DIAGRAM

Familiarize yourself with the components of your emergency radio:



Image 4.1: Detailed diagram showing the antenna, solar panel, flashlight, SOS button, frequency dial, speaker, volume control, channel knob, AM/FM/SW switch, Type-C input, headphone jack, USB output, battery compartment, and crank handle.

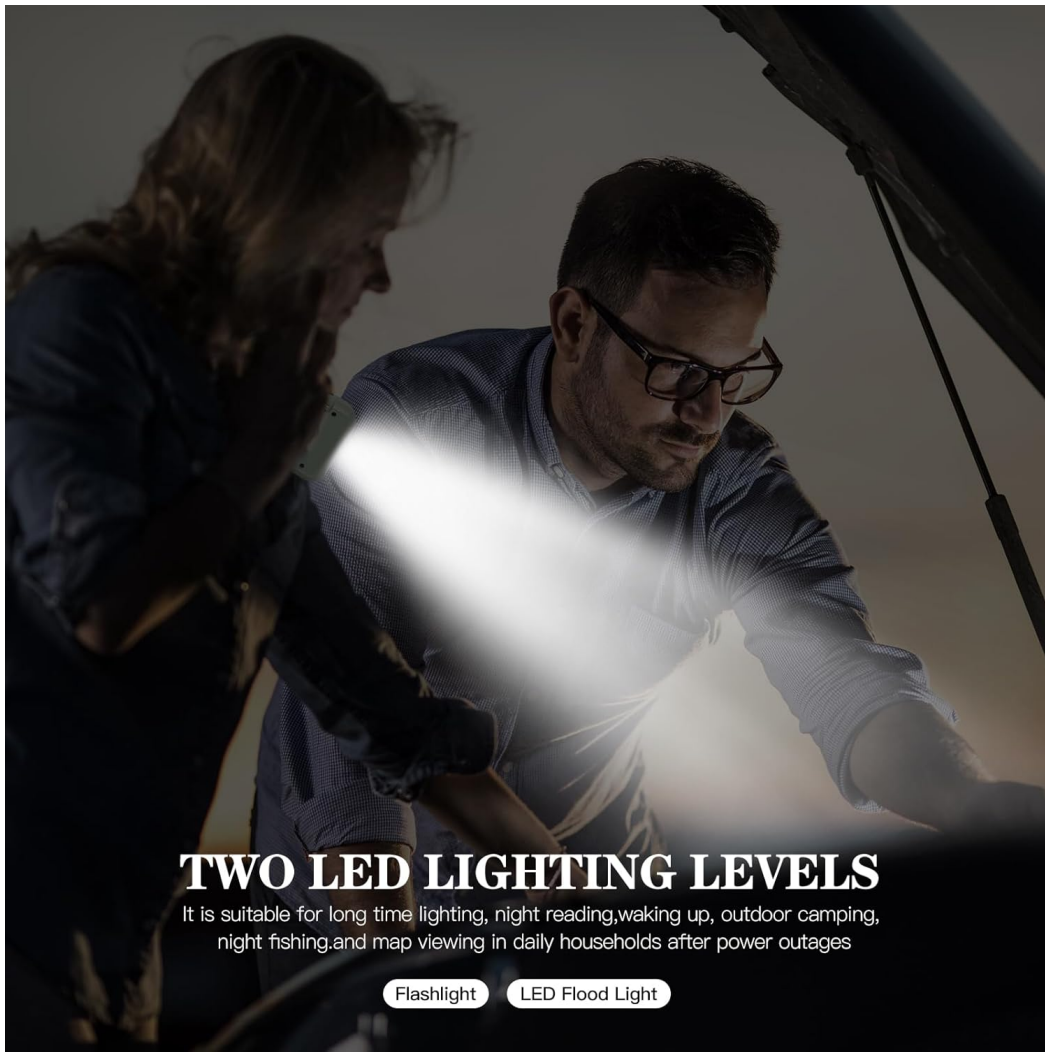
5. INITIAL SETUP

1. **Battery Installation/Check:** The radio comes with a pre-installed 2000mAh lithium-ion battery. Ensure it is securely in place in the battery compartment.
2. **Initial Charge:** For optimal performance, fully charge the radio using the USB-C cable before first use. Connect the USB-C cable to the radio's Type-C input and the other end to a standard USB power adapter (not included) or computer USB port. The charging indicator will illuminate.

6. OPERATING INSTRUCTIONS

6.1. Radio Function

1. **Power On/Off:** Rotate the **VOL** (Volume) knob clockwise to turn on the radio and adjust the volume. Rotate counter-clockwise until it clicks to turn off.
2. **Select Band:** Use the **AM/FM/SW** switch to select the desired radio band (AM, FM, or SW).
3. **Tune Station:** Rotate the **TUNE** knob to scan for radio stations. Extend the telescopic antenna for better FM/SW reception. For AM, the internal antenna is generally sufficient.



TWO LED LIGHTING LEVELS

It is suitable for long time lighting, night reading, waking up, outdoor camping, night fishing, and map viewing in daily households after power outages

Flashlight

LED Flood Light

Image 6.1: The radio with its telescopic antenna extended for improved signal reception.

6.2. Charging the Radio

The radio offers three methods for charging its internal 2000mAh battery:

- **USB Charging:** Connect the provided USB-C cable to the radio's Type-C input and a USB power source. This is the fastest charging method.
- **Hand Crank Charging:** Rotate the hand crank handle (located on the back) clockwise or counter-clockwise at a steady pace of 120-180 cycles per minute. This method is ideal for emergencies when other power sources are unavailable.
- **Solar Charging:** Place the radio with the solar panel (on top) facing direct sunlight. The solar charging indicator will light up. This method is suitable for maintaining battery charge or slow charging in outdoor environments.



Image 6.2: Illustration of the three charging methods: hand crank, solar panel, and USB port.

6.3. Power Bank Function

The radio can act as a power bank to charge external USB devices:

1. Connect your smartphone or other USB device to the radio's **USB Output** port using your device's charging cable.
2. The radio's internal 2000mAh battery will begin charging your device.

Note: The power bank function will drain the radio's internal battery. Use judiciously in emergency situations.



Image 6.3: The emergency radio being used to charge a smartphone, demonstrating its power bank capability.

6.4. LED Flashlight Operation

The integrated LED flashlight provides illumination:

1. Press the **Flashlight/SOS Button** once to turn on the flashlight in high brightness mode.
2. Press again to switch to eco mode (lower brightness).
3. Press a third time to activate the strobe mode (flashing light).
4. Press a fourth time to turn off the flashlight.

Portable Power Bank

2000mAh Removable Battery

It can charge mobile phone when of in emergency,
no need to worry about running out of battery in outdoor



Image 6.4: The emergency radio with its powerful LED flashlight activated.

6.5. SOS Alarm

In an emergency, activate the SOS alarm to signal for help:

1. Long press the **Flashlight/SOS Button** for approximately 3 seconds.
2. The radio will emit a loud siren sound and the flashlight will flash in a distress pattern.
3. To deactivate the SOS alarm, long press the **Flashlight/SOS Button** again.



Image 6.5: The emergency radio with its SOS alarm function active, indicating a distress signal.

7. MAINTENANCE

- **Cleaning:** Wipe the radio with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the radio in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, fully charge the radio at least once every three months, even if not in use.
- **Water Resistance:** The radio is designed for outdoor use but is not fully waterproof. Avoid submerging it in water.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not turn on.	Battery is depleted.	Charge the radio using USB, hand crank, or solar power.
Poor radio reception.	Antenna not extended or weak signal.	Extend the telescopic antenna fully. Try repositioning the radio.
Cannot charge external device.	Radio battery is low or cable is faulty.	Ensure the radio is sufficiently charged. Try a different USB cable.
Flashlight not working.	Battery is depleted.	Charge the radio.

9. SPECIFICATIONS

- **Model:** XLN-297SW
- **Brand:** Gemmac
- **Radio Bands:** AM, FM, SW
- **Battery:** 2000mAh Lithium-ion (replaceable)
- **Charging Methods:** USB-C, Solar Panel, Hand Crank Dynamo
- **Power Output (Power Bank):** USB
- **Special Features:** LED Flashlight (3 modes), SOS Alarm, Integrated AM Antenna, Portable
- **Dimensions:** 13.3L x 4.3W x 7.4H cm
- **Connectivity:** USB
- **Included Components:** Keychain cord, USB cable, User manual

10. WARRANTY AND SUPPORT

10.1. Warranty Information

This product is covered by a return or refund policy within 30 days of purchase. Please retain your proof of purchase for any warranty claims.

10.2. Customer Support

For any questions, issues, or support needs regarding your GEMMAC XLN-297SW Emergency Radio, please contact your retailer or the manufacturer's customer service. Refer to the product packaging or retailer's website for contact details.