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› [CHOYONG](#) /

› CHOYONG LC90 Wi-Fi/4G Internet Radio User Manual

CHOYONG LC90

CHOYONG LC90 Wi-Fi/4G Internet Radio User Manual

Model: LC90

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your CHOYONG LC90 Wi-Fi/4G Internet Radio. Please read this manual thoroughly before using the device to ensure proper functionality and to maximize your listening experience.

PRODUCT OVERVIEW

Key Features

- **Connectivity:** Supports Wi-Fi (2.4 GHz only), 4G nano SIM card, and phone hotspot for internet access, providing access to over 40,000 radio stations.
- **Multi-Band Reception:** Includes FM, LW, MW, and SW bands with signal strength and signal-to-noise ratio indicators.
- **Audio Playback:** Features TF card support and Bluetooth capabilities for seamless music playback.
- **Precision Tuning:** Offers auto-tuning, auto bandwidth control, and three aluminum alloy rotary knobs for main and fine-tuning.
- **Immersive Sound:** Equipped with two 15W stereo speakers, a bass driver, bass radiator, and silk dome tweeter for high-quality audio.
- **Long-lasting Battery:** Integrated 5000mAh rechargeable and replaceable battery with Type-C charging, providing up to 48 hours of operation.
- **Customizable Interface:** Includes alarm clock function, language selection, station bookmarking, and numeric keypad for easy station name editing.

Package Contents

- CHOYONG LC90 Radio x 1
- USB-C Cable x 1
- Wrist Strap x 1



Image: The CHOYONG LC90 radio, showcasing its front panel with display, numeric keypad, and control knobs, along with the extended telescopic antenna.

Portable Outdoor Companion



Image: The CHOYONG LC90 radio displayed alongside its included USB-C charging cable and wrist strap, illustrating the complete package contents.

SETUP

Initial Charging

Before first use, fully charge the LC90 radio. Connect the supplied USB-C cable to the Type-C charging port on the radio and to a compatible USB power adapter (not included). The charging indicator will show the charging status. A full charge ensures optimal battery performance.



**External
Antenna Socket**

**Support
Type-C Charging**

**3.5mm
Earphone Socket**

Image: A detailed view of the side panel of the CHOYONG LC90 radio, highlighting the Type-C charging port, external antenna socket, and 3.5mm earphone socket.

Battery Installation/Replacement

The LC90 features a replaceable 5000mAh battery. To install or replace the battery, locate the battery compartment on the rear of the device. Ensure correct polarity when inserting the battery. Secure the compartment cover after installation.

Replaceable & Rechargeable

5000mAh Battery

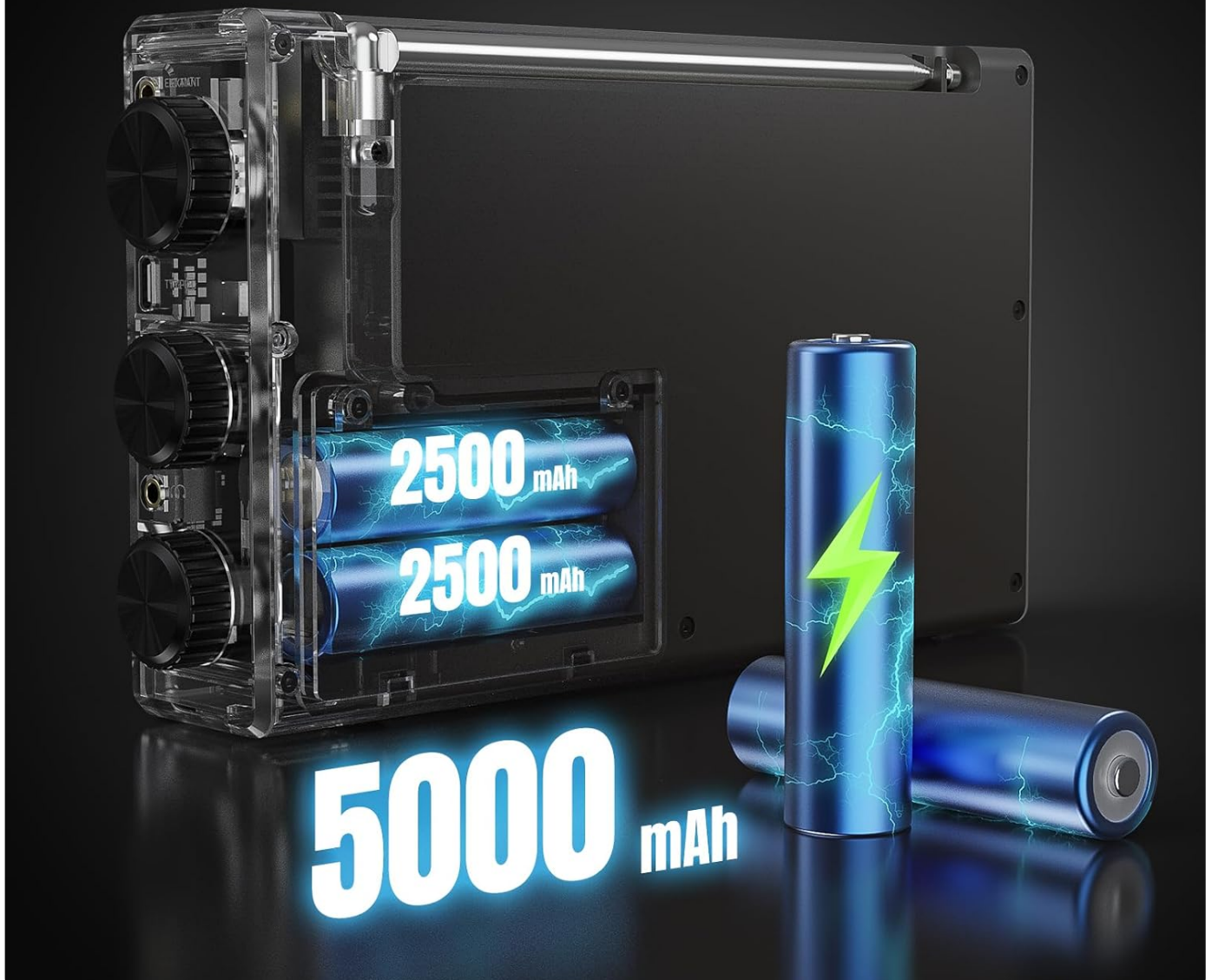


Image: An internal view of the CHOYONG LC90 radio, illustrating the location and capacity of the replaceable 5000mAh battery.

SIM Card and TF Card Insertion

For 4G connectivity, insert a nano SIM card into the designated slot. For expanded storage and local media playback, insert a TF (Micro SD) card with a maximum capacity of 32GB into its slot. Ensure cards are inserted correctly as per the markings on the device.

Wi-Fi/4G Network Support

Up to 40K pre-stored internet stations



Wi-Fi



4G



Nano Sim Card



Phone Personal
Hotspot

Image: A close-up of the CHOYONG LC90 radio's side, indicating the slots for Wi-Fi, 4G Nano SIM card, and illustrating connectivity options including phone personal hotspot.

OPERATING INSTRUCTIONS

Power On/Off

Press and hold the power button (usually marked with a power symbol) located on the top right of the radio to turn the device on or off.

Internet Radio Operation

To access internet radio stations, ensure the device is connected to Wi-Fi (2.4 GHz) or has an active 4G nano SIM card. Navigate through the menu using the control knobs and numeric keypad to select "Internet Radio". You can browse by genre, location, or use the search function to find specific stations. The radio supports over 40,000 pre-stored stations.

INTERNET RADIO

Listen to more than 40,000 internet radio stations with clarity and no noise

- Global internet Radios
- 40K internet stations Pre-Stored
- 10 million podcast episodes, includes Spotify and Apple Podcasts
- Fast and accurate voice search for radio stations via GPT
- Search for additional internet radio stations through the choyong website and add them to the radio.



Image: The CHOYONG LC90 radio screen showing the internet radio interface, surrounded by logos of various global radio stations, indicating its wide access to online content.

Multi-Band Radio (FM/LW/MW/SW)

Select the desired band (FM, LW, MW, or SW) using the dedicated buttons on the radio. Use the tuning knobs for main and fine-tuning. The display will show signal strength and signal-to-noise ratio indicators to assist with optimal reception. The radio supports Single Side Band (SSB) for advanced shortwave listening.

MULTI-BAND RADIO

Listen to traditional radios

- FM/LW/MW/SW
- Supports Single Side Band(SSB)USB/LSB
- Manual/Auto Bandwidth Control
- ATS&Direct frequency tuning
- Memorize and store radio frequencies



Image: The CHOYONG LC90 radio positioned on a wooden table next to a lamp, emphasizing its functionality as a multi-band radio for traditional broadcasts.

Bluetooth Connectivity

To use the LC90 as a Bluetooth speaker, select the "BT" mode. Enable Bluetooth on your external device (e.g., smartphone, tablet) and search for "LC90" in the list of available devices. Pair the devices to stream audio wirelessly.

TF Card Playback

Insert a TF (Micro SD) card with your desired audio files into the TF card slot. Select "TF" mode from the menu. The radio will automatically detect and allow you to browse and play audio files stored on the card.

Alarm Clock Function

Access the alarm clock settings through the radio's menu. You can set multiple alarms, choose alarm tones, and

configure the alarm time. Ensure the radio is powered on or in standby mode for the alarm to function.

Audio Quality

The LC90 is equipped with two 15W stereo speakers, a bass driver, a bass radiator, and a silk dome tweeter, designed to deliver a rich and clear audio experience across all modes of operation.



Image: An X-ray style diagram of the CHOYONG LC90 radio, highlighting the two 15W stereo speakers and their components (bass driver, bass radiator, silk dome tweeter) for enhanced audio output.

MAINTENANCE

Cleaning

Wipe the radio with a soft, dry cloth. Do not use abrasive cleaners or solvents, as they may damage the surface. Keep the device free from dust and moisture.

Battery Care

To prolong battery life, avoid fully discharging the battery frequently. If storing the radio for an extended period, charge the battery to approximately 50% and store in a cool, dry place. Recharge every few months to prevent deep discharge.

Firmware Updates

CHOYONG periodically releases firmware updates to improve performance and add features. It is recommended to check for and install the latest firmware version. Updates can typically be performed over-the-air (OTA) via Wi-Fi. Refer to the "Important Note" section for specific instructions on updating firmware.



Image: A graphic detailing important notes for CHOYONG LC90 users, specifically regarding checking and performing firmware updates (version 4.7 mentioned) and troubleshooting power/Wi-Fi connection issues.

TROUBLESHOOTING

Radio does not power on or has low voltage issues:

- Ensure the radio is fully charged. Charge for more than 3 hours.
- If the issue persists, press and hold the power button for 30 seconds, then release and press and hold again for 5 seconds.

Unable to connect to Wi-Fi:

- Verify that your Wi-Fi network is 2.4 GHz. The LC90 only supports 2.4 GHz Wi-Fi.
- Check your router settings. Ensure the encryption protocol is set to WAP2/WAP3. The radio only supports WAP/WAP2.
- Restart your Wi-Fi router and the radio.

Poor reception on traditional radio bands (FM/LW/MW/SW):

- Extend the telescopic antenna fully for optimal reception.
- Try repositioning the radio to a different location, away from electronic interference.
- For SW, consider using an external antenna connected to the "EXT ANT" port for improved signal.

Voice search not working:

- Ensure the radio has a stable internet connection.
- Check for and install the latest firmware updates, as voice search functionality may be improved in newer versions.

Audio distortion or low volume:

- Adjust the volume using the dedicated volume knob.
- Ensure the audio source (e.g., internet stream, TF card file) is not corrupted or of low quality.
- If using Bluetooth, ensure the volume on the connected device is also adjusted appropriately.

SPECIFICATIONS

Feature	Specification
Model	LC90
Dimensions (L x W x H)	7.9" x 1.6" x 4.8" (200 x 42 x 122 mm)
Weight	2.64 pounds (640g)
Battery	5000mAh Lithium Ion (Rechargeable & Replaceable)
Charging Port	USB Type-C
Speaker Output	2 x 15W Stereo Speakers
Wi-Fi Connectivity	2.4G Wi-Fi
Cellular Connectivity	4G (Nano SIM Card)
Bluetooth Version	5.2
TF Card Support	Maximum 32 GB
Earphone Jack	3.5mm
External Antenna Jack	3.5mm
FM Frequency	64-108MHz (Step: 10KHz/100KHz)
LW Frequency	153-279KHz (Step: 1KHz/9KHz)
MW Frequency	522-1710KHz (Step: 1KHz/9KHz/10KHz)
SW Frequency	2300-29999KHz (Step: 1KHz/5KHz)
SSB Support	1KHz/10Hz step adjustment



Image: A diagram illustrating the physical dimensions of the CHOYONG LC90 radio, showing its length (7.9 inches), width (1.6 inches), and height (4.8 inches).

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official CHOYONG website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

Manufacturer: CHOYONG

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

Using Bluetooth, can we stream the audio output of the CHOYONG LC90 to other speakers?

Based on the product manual, the CHOYONG LC90 functions as a Bluetooth receiver, meaning it is designed to receive audio from external devices (like a smartphone or tablet) to play through its own 15W...

[Read full answer](#)

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