

Lisheng LISHENG LS-747

LISHENG LS-747 High Power 10W Amateur Two Way Radio User Manual

Model: LISHENG LS-747

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your LISHENG LS-747 High Power 10W Amateur Two Way Radio. Please read this manual thoroughly before using the radio to ensure proper function and to prevent damage to the device or injury to yourself. Keep this manual for future reference.

2. SAFETY INFORMATION

Observe the following safety precautions to reduce the risk of fire, electric shock, or personal injury:

- Do not operate the radio in explosive atmospheres (e.g., flammable gases, dust particles, metallic powders).
- Do not modify the radio. Unauthorized modifications can void your warranty and violate regulatory compliance.
- Use only Lisheng approved batteries and chargers. Using unapproved accessories may cause damage or injury.
- Do not expose the radio to direct sunlight for extended periods or to extreme temperatures.
- Keep the radio away from water and moisture.
- Maintain a safe distance from the antenna when transmitting to minimize RF exposure.

3. PRODUCT OVERVIEW

The LISHENG LS-747 is a high-power amateur two-way radio designed for reliable communication. Familiarize yourself with the radio's components:



Figure 3.1: Front view of the LISHENG LS-747 radio with key components labeled. Labels include Antenna, Channel Selector Knob, Power&Volume Knob, LED indicator, PTT key, Speaker, MIC, MIC/SPK Jack, Lamp Key, LCD Display, Monitor Key, and Keyboard.

Key Components:

- **Antenna:** For transmitting and receiving radio signals.
- **Channel Selector Knob:** Rotates to select desired channels.
- **Power & Volume Knob:** Turns the radio on/off and adjusts the audio volume.

- **LED Indicator:** Illuminates to indicate transmission (red) or reception (green).
- **PTT (Push-To-Talk) Key:** Press and hold to transmit, release to receive.
- **Speaker:** Outputs received audio.
- **MIC (Microphone):** Captures your voice for transmission.
- **MIC/SPK Jack:** Port for external microphone/speaker accessories.
- **Lamp Key:** Activates the display backlight or flashlight function.
- **LCD Display:** Shows channel number, frequency, battery status, and other operational icons.
- **Monitor Key:** Opens the squelch to listen for weak signals.
- **Keyboard:** Numeric and function keys for advanced settings and channel input.

4. SETUP

4.1. Unpacking

Carefully unpack the radio and all accessories. The package should contain:



Figure 4.1: The LISHENG LS-747 package contents, showing the radio, antenna, battery, desktop charger, power adapter, hand strap, and user manual.

4.2. Battery Installation

1. Align the battery pack with the grooves on the back of the radio.
2. Slide the battery pack upwards until it clicks into place.
3. To remove, press the battery release latch (if present) and slide the battery downwards.



Figure 4.2: The LISHENG LS-747 radio with its battery compartment exposed and the battery pack shown separately, ready for installation or removal.

4.3. Antenna Attachment

1. Screw the antenna into the connector on the top of the radio by turning it clockwise until it is finger-tight.
2. Do not overtighten the antenna.

4.4. Charging the Battery

Before initial use, fully charge the battery. The radio can be charged by placing it in the desktop charger.

1. Connect the AC adapter to the desktop charger and plug it into a power outlet.
2. Place the radio (with battery installed) into the charging slot of the desktop charger.
3. The charger's LED indicator will typically show red during charging and turn green when fully charged.





Figure 4.3: The LISHENG LS-747 radio securely seated in its desktop charging cradle, indicating it is ready for or currently undergoing charging.

5. OPERATING INSTRUCTIONS

5.1. Power On/Off and Volume Adjustment

1. To power on the radio, rotate the Power & Volume Knob clockwise until you hear a click. The LCD display will light up.
2. To adjust the volume, continue rotating the Power & Volume Knob. Clockwise increases volume, counter-clockwise decreases it.
3. To power off, rotate the Power & Volume Knob counter-clockwise until you hear a click and the display turns off.

5.2. Channel Selection

Rotate the Channel Selector Knob on the top of the radio to select the desired channel. The selected channel number will be displayed on the LCD screen.

5.3. Transmitting and Receiving

1. To transmit, press and hold the PTT (Push-To-Talk) key on the side of the radio. Speak clearly into the microphone. The LED indicator will glow red.
2. Release the PTT key to stop transmitting and return to receive mode. The LED indicator will glow green when a signal is being received.

5.4. Basic Menu Navigation

The radio features a menu system for advanced settings. Use the 'FUN' and 'MENU' buttons along with the arrow keys (◀▶) to navigate.

- Press the **MENU** button to enter the main menu.
- Use the ◀ and ▶ arrow keys to scroll through menu options.
- Press **MENU** again to select an option or confirm a setting.
- Press the **FUN** button to exit the menu or cancel an operation.

5.5. Keypad Functions

The numeric keypad provides direct access to certain functions and allows for frequency input in VFO mode.

- **1SOL**: Squelch Level adjustment.
- **2MEG**: Megahertz direct input or function.
- **3MODE**: Toggles between different operating modes (e.g., VFO/Memory).
- **4PWR**: Adjusts transmit power level (High/Low).
- **5VOX**: Activates Voice Operated Exchange (VOX) for hands-free transmission.
- **6%CC**: CTCSS/DCS settings for tone squelch.
- **7CTC**: CTCSS tone selection.

- **8DCS:** DCS code selection.
- **9SCAN:** Initiates channel or frequency scanning.
- **#REV:** Reverses transmit and receive frequencies (for repeater use).
- **0FM:** Activates FM radio receiver.
- ***COM:** Toggles between different communication settings or functions.

6. MAINTENANCE

6.1. Cleaning

- Clean the radio's exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure the MIC/SPK jack cover is properly sealed when not in use to prevent dust and moisture ingress.

6.2. Battery Care

- To maximize battery life, avoid overcharging or completely discharging the battery frequently.
- If the radio will not be used for an extended period, remove the battery and store it in a cool, dry place.

6.3. Storage

Store the radio in a dry, dust-free environment away from direct sunlight and extreme temperatures when not in use.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not power on	Battery is dead or not installed correctly.	Charge the battery or ensure it is properly installed.
Cannot transmit or receive	Incorrect channel selected; antenna not attached; low battery; squelch too high.	Verify channel; attach antenna; charge battery; adjust squelch level.
Poor audio quality	Weak signal; antenna issue; volume too low/high.	Move to a better location; check antenna connection; adjust volume.
Radio continuously transmits (stuck PTT)	PTT button stuck or faulty.	Check PTT button for obstruction. If issue persists, contact support.

8. SPECIFICATIONS

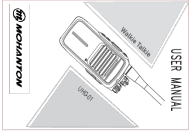


Feature	Specification
Model Number	LISHENG LS-747
Brand	Lisheng
Manufacturer	Lisheng
Dimensions (L x W x H)	13.59 x 3.61 x 5.99 cm
Weight	244.94 g
Tuner Technology	UHF
UPC	705701337614

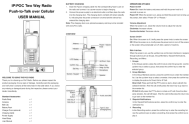
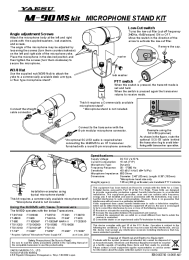

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or contact your authorized Lisheng dealer. Keep your proof of purchase for warranty claims.

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Related Documents - LISHENG LS-747

	<p>Mohanton UHG-01 User Manual: GMRS Portable Two Way Radio</p> <p>Comprehensive user manual for the Mohanton UHG-01 GMRS Portable Two Way Radio, covering safety information, battery management, product overview, basic and advanced operations, and technical specifications.</p>
	<p>HanRongDa HRD-747 Operation Guidelines</p> <p>Comprehensive operation guidelines for the HanRongDa HRD-747 full-band scanner radio. Learn about its features, button functions, display symbols, and technical specifications for optimal use.</p>
	<p>Latronics LS Series Inverter Instruction Manual & Warranty Guide</p> <p>Comprehensive instruction manual for Latronics LS Series Sine Wave Inverters (500W-1800W). Covers installation, operation, safety, maintenance, troubleshooting, and warranty registration for reliable power solutions.</p>

	<p>IP/POC Two Way Radio User Manual - Push-to-Talk over Cellular</p> <p>User manual for the IP/POC Two Way Radio, a Push-to-Talk over Cellular device. Covers charging, operations, settings, call functions, Wi-Fi, Bluetooth, Dual SIM usage, and standard specifications.</p>
	<p>Yaesu M-90MS Microphone Stand Kit: Setup and Specifications</p> <p>Comprehensive guide to the Yaesu M-90MS Microphone Stand Kit, detailing its features, assembly, connection to Yaesu transceivers, technical specifications, and compliance information. Includes compatibility list and safety guidelines.</p>
	<p>Brother Sewing Machine Service Manual: LS-2220 and other models</p> <p>Comprehensive service manual for Brother LS-2220, LS-2720 Zigzag Stitch Sewing Machines, covering general information, maintenance, adjustments, and troubleshooting. Includes detailed instructions for various components and settings.</p>