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› WLN KD-C1 Portable Two-Way Radio User Manual

WLN KD-C1

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Model: KD-C1

INTRODUCTION

Thank you for choosing the WLN KD-C1 Portable Two-Way Radio. This compact and reliable communication device is designed for ease of use and effective communication over short to medium distances. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your radio. Please read it thoroughly before using the device.



Image: A hand holding the compact WLN KD-C1 portable two-way radio, demonstrating its small and ergonomic design.

SAFETY INFORMATION

To ensure safe operation and optimal performance, please observe the following precautions:

- Do not operate the radio in explosive atmospheres (e.g., flammable gases, dust particles, metallic powders).
- Do not modify or disassemble the radio. Repairs should only be performed by qualified technicians.
- Use only WLN-approved batteries and chargers. Using unapproved accessories may cause damage or injury.
- Keep the radio away from water and moisture, unless specifically designed for waterproof use. While this model is rated as "Waterproof", avoid submerging it.
- Avoid prolonged exposure to direct sunlight or extreme temperatures.
- Maintain a safe distance from medical devices such as pacemakers when operating the radio.

PACKAGE CONTENTS

Verify that all items are present in your package:

- WLN KD-C1 Two-Way Radio
- Li-ion Battery
- Belt Clip
- Desktop Charger
- AC Adapter
- User's Manual (this document)



Image: All components included with the WLN KD-C1 radio, including the radio unit, battery, belt clip, desktop charger, AC adapter, and USB cable.

PRODUCT OVERVIEW

Familiarize yourself with the main components of your WLN KD-C1 radio.



Image: Front, left, and right side views of the WLN KD-C1 radio, highlighting the integrated antenna, speaker/microphone, channel selector, volume/power knob, and side buttons.

- **Integrated Antenna:** For transmitting and receiving signals.
- **Power/Volume Knob:** Rotate to turn the radio on/off and adjust volume.
- **Channel Selector:** Rotate to select one of the 16 available channels.
- **PTT (Push-to-Talk) Button:** Press and hold to transmit, release to receive.
- **Monitor Button:** (Typically located below PTT) Press to temporarily disable squelch and listen for weak signals.
- **Accessory Jack:** For connecting external audio accessories like headsets or programming cables.
- **Speaker/Microphone:** For audio output and input.

SETUP

1. Charging the Battery

Before initial use, fully charge the Li-ion battery.

1. Connect the AC adapter to the desktop charger.

2. Plug the AC adapter into a standard wall outlet.
3. Place the WLN KD-C1 radio (with battery attached) into the charging slot of the desktop charger. Ensure proper alignment.
4. The charger's indicator light will typically show red during charging and turn green when fully charged.
5. Charging time may vary, but typically takes 3-4 hours for a full charge.



Image: The WLN KD-C1 radio unit securely placed in its dedicated desktop charging cradle.

2. Attaching the Belt Clip

Align the belt clip with the screw holes on the back of the radio and secure it with the provided screws.

3. Powering On/Off

Rotate the Power/Volume knob clockwise to turn the radio on. You will hear a "power on" tone. Continue rotating clockwise to increase the volume. Rotate counter-clockwise to decrease volume and turn the radio off.

OPERATING THE RADIO

1. Selecting a Channel

Rotate the Channel Selector knob (usually the top-most knob next to the antenna) to choose one of the 16 pre-programmed channels. The radio will announce the channel number.

2. Adjusting Volume

Rotate the Power/Volume knob (usually the second knob from the top) clockwise to increase the listening volume and counter-clockwise to decrease it.

3. Transmitting and Receiving

To transmit, press and hold the PTT (Push-to-Talk) button on the side of the radio. Speak clearly into the microphone, holding the radio approximately 2-3 inches from your mouth. Release the PTT button to stop transmitting and return to receive mode.

When receiving a signal, the radio's speaker will output the incoming audio.

4. Programming Channels (Advanced)

The WLN KD-C1 radio supports advanced programming for custom frequencies, PL tones, and other settings. This typically requires a specific USB programming cable (not included) and software such as CHIRP. Refer to online resources or specialized forums for detailed programming instructions. Incorrect programming can render the radio inoperable or cause interference.

MAINTENANCE

1. Cleaning

Wipe the radio's surface with a soft, damp cloth. Do not use harsh chemicals, solvents, or abrasive cleaners. Ensure the accessory jack cover is securely closed to prevent dust and moisture ingress.

2. Battery Care

To prolong battery life:

- Avoid overcharging; remove the radio from the charger once fully charged.
- Do not expose the battery to extreme temperatures.
- If storing the radio for an extended period, charge the battery to about 50% and remove it from the radio.

3. Storage

Store the radio in a cool, dry place away from direct sunlight and corrosive materials.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not power on.	Battery is depleted or not properly installed.	Charge the battery. Ensure the battery is correctly attached.
Cannot transmit or receive.	Incorrect channel selected; out of range; low battery.	Verify both radios are on the same channel. Move closer to the other radio. Charge the battery.

Problem	Possible Cause	Solution
Poor audio quality or static.	Weak signal; interference; volume too low/high.	Move to an open area. Adjust volume. Check for obstructions.
Charger indicator light not working.	Charger or AC adapter not connected properly; faulty unit.	Ensure all connections are secure. Try a different outlet. Contact support if issue persists.

SPECIFICATIONS

Feature	Detail
Frequency Range	400-470MHz (UHF)
Operation Voltage	DC 3.7V
Channel Capacity	16 Channels
Antenna	Integrated Antenna
Antenna Impedance	50Ω
Dimensions (H x W x D)	96 x 55 x 22mm (0.87 x 3.78 x 2.17 inches)
Output Power	2W
Maximum Deviation	≤ ±5KHz
Residual Radiation	<60dB
Current (Transmit)	≤1000mA
Item Weight	9.6 ounces
Water Resistance Level	Waterproof
Battery Type	Li-ion (1 A battery included)

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided at the time of purchase or contact your retailer. You may also visit the official WLN website for further assistance and product updates.

