



Manuals.plus /

› WLN /

› WLN KD-C52 FRS Walkie Talkie Instruction Manual

WLN KD-C52

WLN KD-C52 FRS Walkie Talkie

INSTRUCTION MANUAL

Introduction

This manual provides detailed instructions for the safe and efficient operation of your WLN KD-C52 FRS Walkie Talkie. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage. Keep this manual for future reference.

Multi location service for you

The various users new choice



Outdoor



Construction



Logistic



Image: The WLN KD-C52 FRS Walkie Talkie, a compact black device with an antenna, held in a hand, showcasing its ergonomic design and main buttons.

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 expose the radio to direct sunlight for extended periods or place it near heating appliances.
- Avoid using the radio in areas with strong electromagnetic interference.
- Keep the radio away from water and moisture. The device has an IP65 waterproof rating, but it is not designed for submersion.
- Use only WLN approved accessories and replacement parts.
- Do not attempt to disassemble or modify the radio. Servicing should be performed by qualified personnel only.

Package Contents

Verify that all items are present in your package:

- WLN KD-C52 FRS Walkie Talkie Unit (1 or 2, depending on purchase)
- Li-ion Rechargeable Battery Pack(s)
- USB Charging Cable
- Belt Clip (pre-attached or separate)
- User Manual (this document)

Product Overview

The WLN KD-C52 is a compact and lightweight two-way radio designed for ease of use. It features 16 channels, USB charging, and a fixed antenna.



Image: A size comparison showing the WLN KD-C52 Walkie Talkie next to a smartphone, illustrating its compact dimensions (approximately 10.5cm tall).

Thin & Mini Packet Radio

16 channels

Fix antenna

USB Charging

FRS/GMRS
frequency



Image: The WLN KD-C52 Walkie Talkie with text overlays indicating its features: "Thin & Mini Packet Radio", "16 channels", "Fix antenna", "USB Charging", and "FRS/GMRS frequency".

Main Components:

- **Antenna:** Fixed for optimal signal reception and transmission.
- **Power/Volume Knob:** Turns the radio on/off and adjusts volume.
- **PTT (Push-to-Talk) Button:** Press and hold to transmit, release to receive.
- **CH+ / CH- Buttons:** Used to select channels.
- **Power Button (Center):** Used for power on/off and other functions.
- **Speaker/Microphone:** For audio input and output.
- **USB Charging Port:** For recharging the battery.
- **Battery Compartment:** Houses the rechargeable Li-ion battery.

Setup

1. Battery Installation and Charging:

1. Locate the battery compartment cover on the back of the radio.

2. Carefully remove the cover.
3. Insert the Li-ion rechargeable battery pack into the compartment, ensuring correct polarity.
4. Replace the battery compartment cover, ensuring it is securely latched.
5. Connect the USB charging cable to the radio's USB port and to a compatible USB power adapter (not included) or computer USB port.
6. The charging indicator light will illuminate. Charge the battery fully before first use (approximately 3-4 hours).
7. Once fully charged, disconnect the charging cable.



Image: The back view of the WLN KD-C52 Walkie Talkie with the battery compartment cover removed, showing the battery slot and regulatory information labels.

Operating Instructions



Image: The WLN KD-C52 Walkie Talkie held in a hand, clearly displaying the front panel with CH+, Power, and CH- buttons, and the speaker grille.

1. Power On/Off:

- To turn on the radio, press and hold the central **Power button** () until you hear a tone.
- To turn off the radio, press and hold the central **Power button** () until the radio powers down.

2. Adjusting Volume:

- While the radio is on, briefly press the **Power button** () to cycle through volume levels.

3. Channel Selection:

- Press the **CH+** button to increase the channel number.
- Press the **CH-** button to decrease the channel number.
- Ensure all radios in your group are set to the same channel for communication.

4. Transmitting and Receiving:

- To transmit, press and hold the **PTT (Push-to-Talk) button** located on the side of the radio. Speak clearly into the microphone.
- Release the **PTT button** to stop transmitting and return to receive mode.
- When receiving a transmission, the signal indicator light will illuminate.

5. VOX Function (Voice Operated Exchange):

- The VOX function allows hands-free transmission. When activated, the radio will transmit automatically when it detects your voice.
- Refer to the full programming software (if available) for detailed VOX activation and sensitivity settings.

6. Channel Scan:

- The channel scan feature allows the radio to automatically scan through all available channels for activity.
- Consult the full programming guide for instructions on how to activate and use the scan function.

7. Keyboard Lockout:

- This feature prevents accidental changes to settings.
- To activate/deactivate, refer to the specific key combination or programming instructions.

8. Monitor Function:

- The monitor function allows you to listen to a channel continuously, overriding squelch settings to hear weak signals.
- Typically activated by a dedicated button or a short press of a function key.

9. Busy Channel Lockout (BCL):

- BCL prevents transmission on a channel that is already in use, avoiding interference.
- This feature is usually enabled by default or configurable via programming software.

10. Low Battery Alert:

- When the battery level is low, the radio will emit an audible alert or display a visual indicator. Recharge the battery promptly.

11. Power Saving Function:

- The radio automatically enters power-saving mode after a period of inactivity to conserve battery life.

Maintenance

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:** To maximize battery life, avoid overcharging and fully discharging the battery regularly. Store the radio and battery in a cool, dry place when not in use for extended periods.

- **Storage:** Store the radio in a dry, dust-free environment away from extreme temperatures.

Troubleshooting

| Problem | Possible Cause / Solution |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Radio does not power on. | Battery is not charged. Ensure battery is properly installed and fully charged. |
| Cannot transmit or receive. | Check if radios are on the same channel. Ensure PTT button is pressed correctly for transmitting. Check battery level. |
| Poor audio quality or static. | Radios are out of range. Obstructions (buildings, terrain) may be interfering. Check for strong electromagnetic interference. |
| Low battery alert constantly active. | Battery needs recharging. Battery may be at the end of its lifespan and require replacement. |
| Buttons are unresponsive. | Keyboard Lockout may be active. Refer to operating instructions to deactivate. |

Specifications

| Feature | Specification |
|-------------------------|-----------------------------------|
| Brand | WLN |
| Model Number | KD-C52 (12081044) |
| Number of Channels | 16 |
| Frequency Range | 400 - 470 MHz (UHF) |
| Talking Range Maximum | 3 Kilometers (approx. 1.86 miles) |
| Battery Type | Li-ion Rechargeable Battery Pack |
| Voltage | 3.7 Volts |
| Battery Average Life | Up to 9 Hours |
| Water Resistance Level | IP65 (Waterproof) |
| Item Weight | 12.3 Ounces (approx. 348 grams) |
| Charging | USB Chargeable |
| Hardware Version ID | KD-C52 |
| IC Certification Number | 24229-KDC52 |

Warranty and Support

For warranty information or technical support, please refer to the documentation provided at the time of purchase or contact your retailer. Keep your proof of purchase for warranty claims.

