Jopix CB-514

Jopix CB-514 CB-27 Walkie Talkie User Manual

Model: CB-514

1. Introduction

The Jopix CB-514 is a portable CB-27 walkie talkie designed for reliable communication across the 27 MHz frequency band. It features a large LCD, advanced functionalities, and clear audio quality thanks to its Noise Reduction Circuit (NRC) technology. This multi-norm device supports both AM and FM modes and can operate across various European frequency bands. Its versatile design allows for portable use with the included BNC antenna or mobile use with an optional car kit.

2. Package Contents

Please verify that all items listed below are included in your package:

- Jopix CB-514 Walkie Talkie Unit
- Li-Ion Battery (7.4V 1800mAh)
- 25 cm BNC Antenna
- Belt Clip
- AC 220V USB Output Adapter
- USB-C Cable
- User Manual (Spanish and English)



Image: Contents of the Jopix CB-514 package, including the walkie talkie, antenna, battery, charger, and belt clip.

3. Product Overview

The Jopix CB-514 features an ergonomic design with a clear LCD and intuitive controls for ease of use.



Image: Front view of the Jopix CB-514, highlighting the LCD screen and control buttons.



Image: Top view, showing the BNC antenna connector and the rotary volume/power knob.



Image: Side view, illustrating the Push-To-Talk (PTT) button and other side controls.



Image: Bottom view, displaying the USB-C charging port.

4. Setup Guide

4.1 Battery Installation

1. Ensure the device is powered off.
2. Locate the battery compartment cover on the back of the walkie talkie.
3. Slide or unlatch the cover to open it.

4. Insert the Li-Ion battery, ensuring the contacts align correctly.
5. Replace the battery compartment cover and secure it.

4.2 Antenna Attachment

1. Locate the BNC connector on the top of the walkie talkie.
2. Align the BNC antenna with the connector.
3. Push down and twist clockwise until the antenna is securely locked in place.

4.3 Charging the Battery

1. Connect the USB-C cable to the charging port at the bottom of the walkie talkie.
2. Connect the other end of the USB-C cable to the provided AC 220V USB adapter or any compatible USB charger (minimum 1000 mAh output).
3. The charging indicator will illuminate. Charging is complete when the indicator changes color or turns off (refer to the device's display for battery status).

5. Operating Instructions

5.1 Power On/Off and Volume Control

To power on the device, rotate the top-mounted rotary knob clockwise. Continue rotating to increase the volume. Rotate counter-clockwise to decrease volume and power off.

5.2 Channel Selection

Use the **UP** and **DOWN** arrow buttons on the front panel to select your desired communication channel (1-40).

5.3 Transmitting and Receiving (PTT)

To transmit, press and hold the **PTT (Push-To-Talk)** button located on the side of the device. Speak clearly into the microphone. Release the PTT button to stop transmitting and return to receive mode.

5.4 Function (FUNC) Button

Press the **FUNC** button to access various settings quickly, including keyboard tones, Roger Beep, VOX levels, and Squelch (ASQ/SQ) adjustments.

5.5 Squelch (SQ/ASQ)

The CB-514 features both manual Squelch (SQ) with 25 levels and Automatic Squelch (ASQ) with 5 levels. Adjust these settings using the **SQ**/**ASQ** button and arrow keys to filter out background noise and receive clear signals.

5.6 VOX Function

The **VOX** function allows for voice-activated transmission without needing to press the PTT button. Adjust VOX sensitivity via the FUNC menu to suit your environment.

5.7 NRC (Noise Reduction Circuit)

The integrated **NRC** technology actively reduces background noise, providing exceptional reception clarity. This

feature is always active for optimal performance.

5.8 Multi-Norm Functionality

The device is multi-norm, meaning it can operate on different frequency bands authorized in various European countries. Consult the manual for specific country settings if traveling.

5.9 Monitor Function

Use the monitor function (accessible via FUNC menu) to temporarily disable squelch and listen to the current channel without transmitting, allowing you to hear very weak signals.

6. Maintenance

6.1 Cleaning

Wipe the device with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure all ports are closed when cleaning to prevent moisture ingress.

6.2 Battery Care

To prolong battery life, avoid fully discharging the battery frequently. Store the device and battery in a cool, dry place when not in use for extended periods. Recharge the battery regularly, even if not used, to maintain its capacity.

6.3 Antenna Care

Ensure the antenna is securely attached during use. Avoid bending or stressing the antenna excessively, as this can damage the connector or the antenna itself.

7. Troubleshooting

- **No Power:**
  Check if the battery is correctly installed and charged. Ensure the power/volume knob is turned sufficiently clockwise.
- **Cannot Transmit or Receive:**
  Verify the antenna is securely attached. Check the selected channel. Ensure the squelch level is not set too high, preventing reception of weaker signals. Confirm the battery has sufficient charge.
- **Poor Audio Quality:**
  Adjust the squelch (SQ/ASQ) settings. Ensure the NRC function is active (it is by default). Check for obstructions between communicating devices.
- **Short Communication Range:**
  Ensure the antenna is fully extended and unobstructed. Check for environmental factors like buildings, hills, or heavy foliage that can reduce range. Ensure both devices are on the same frequency and mode (AM/FM).
- **Battery Not Charging:**
  Verify the USB-C cable and adapter are properly connected. Ensure the power source is active. Check for any damage to the cable or charging port.

8. Specifications

Feature	Specification
Brand	Jopix
Model	CB-514
Dimensions	3.8 x 6.3 x 13.7 cm
Weight	370 g
Battery	1 Litio Ion (7.4V 1800mAh)
Number of Channels	40
Frequency Range	27 MHz (CB-27)
Modulation Modes	AM, FM
Special Features	Battery strength indicator, Roger Beep, Rechargeable, Noise Reduction (NRC), Automatic Squelch (ASQ), Voice Operated Transmission (VOX)
Water Resistance Level	Water repellent
Maximum Talk Range	10 Kilometers (under optimal conditions)

9. Warranty and Support

For warranty information and technical support, please refer to the official Jopix website or the documentation provided with your purchase. Keep your proof of purchase for warranty claims.
You can visit the Jopix store on Amazon for more information:Jopix Amazon Store

© 2023 Jopix. All rights reserved.

Ask a question about this manual

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

you@example.com

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