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PNI PNI-CP225

PNI CP225 Mini Walkie Talkie User Manual

Model: **PNI-CP225** | Brand: **PNI**

1. Introduction

Thank you for choosing the PNI CP225 Mini Walkie Talkie. This user manual provides essential information for the safe and efficient operation of your two-way radio. Please read this manual thoroughly before using the device to ensure proper functionality and to maximize its lifespan. Keep this manual for future reference.
The PNI CP225 is a compact and lightweight PMR 446 radio, ideal for various commercial and private activities. It offers license-free communication with 8 channels, a 0.5W transmitter power, and a frequency range of 446.00625-446.09375MHz. Key features include an ultra-long standby time, micro-USB charging, and a communication range of up to 5km in open terrain.

2. Product Overview

The PNI CP225 walkie talkie is designed for ease of use and portability. Below is an overview of its components and controls.



Figure 2.1: Front view of two PNI CP225 walkie talkies, displaying channel and sub-channel information on their screens.



Figure 2.2: Front view of two PNI CP225 walkie talkies, highlighting the yellow channel up/down buttons below the display.



Figure 2.3: Front view of a single PNI CP225 walkie talkie, showing the speaker grille and control buttons.

2.1 Components and Controls

- **Antenna:** Integrated for signal transmission and reception.
- **LCD Display:** Shows channel number, battery status, and other indicators.
- **Power/Volume Knob:** Located at the top, used to turn the radio on/off and adjust volume.
- **Channel Up/Down Buttons:** Used to select desired communication channels.
- **PTT (Push-to-Talk) Button:** Located on the side, pressed to transmit your voice.
- **Monitor/Menu Button (M):** Located on the side, used to activate the monitor function or access menu settings.
- **Micro-USB Charging Port:** Located at the bottom for battery charging.
- **Speaker/Microphone:** Integrated for audio output and input.
- **Belt Clip:** Removable clip for attaching the radio to clothing or a belt.



Figure 2.4: Top-down view of the PNI CP225, illustrating the micro-USB charging port and a small auxiliary port at the bottom.



Figure 2.5: Side view of the PNI CP225, clearly showing the 'M' (Monitor/Menu) button and the PTT button above it.



Figure 2.6: Side view of the PNI CP225, demonstrating the attached belt clip for convenient carrying.

3. Setup

3.1 Battery Installation

1. Locate the battery compartment cover on the back of the radio.
2. Gently slide the cover downwards or unlatch it to open.
3. Insert the provided Li-ion battery into the compartment, ensuring the contacts align correctly with the radio's terminals.
4. Close the battery compartment cover securely until it clicks into place.



Figure 3.1: Rear view of the PNI CP225 with the battery compartment open, showing the placement of the Li-ion battery.

3.2 Charging the Battery

The PNI CP225 comes with a rechargeable Li-ion battery. Before first use, fully charge the battery.

1. Connect the micro-USB cable to the charging port at the bottom of the radio.
2. Connect the other end of the USB cable to the provided wall adapter or a compatible USB power source.
3. Plug the wall adapter into a standard electrical outlet.

4. The charging indicator on the radio (if present) will illuminate, typically red during charging and green when fully charged.
5. Charging time may vary, but typically takes a few hours for a full charge.
6. Once fully charged, disconnect the charger.



Figure 3.2: The PNI CP225 walkie talkie shown alongside its micro-USB charging cable and wall power adapter.

4. Operating Instructions

4.1 Power On/Off and Volume Adjustment

- To turn the radio **ON**, rotate the Power/Volume knob clockwise until you hear a click and the display illuminates.
- To turn the radio **OFF**, rotate the Power/Volume knob counter-clockwise until you hear a click and the display turns off.
- To adjust the **volume**, rotate the Power/Volume knob clockwise to increase volume and counter-clockwise to decrease volume. The radio offers 15 adjustable volume levels.

4.2 Channel Selection

- Use the **Channel Up** (▲) and **Channel Down** (▼) buttons located below the display to select your desired communication channel.
- The selected channel number will be displayed on the LCD screen. The PNI CP225 supports 8 PMR 446 channels.

4.3 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 2-5 cm from your mouth. Release the PTT button when you finish speaking.

- **To Receive:** Ensure the PTT button is not pressed. The radio will automatically receive signals on the selected channel. You will hear incoming transmissions through the speaker.

4.4 Monitor Function

- Press the **Monitor/Menu (M)** button on the side of the radio to temporarily disable the squelch and listen for weak signals on the current channel. This can be useful for checking if a channel is clear before transmitting or for hearing faint transmissions.
- Press the 'M' button again to exit the monitor mode.

5. Maintenance

Proper maintenance will ensure the longevity and optimal performance of your PNI CP225 walkie talkie.

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals, solvents, or abrasive cleaners. Ensure the radio is turned off and disconnected from any power source before cleaning.
- **Storage:** When not in use for extended periods, store the radio in a cool, dry place, away from direct sunlight and extreme temperatures. It is recommended to remove the battery if storing for several months.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Recharge the battery when the low battery indicator appears. Do not expose the battery to fire or extreme heat.
- **Water Exposure:** This radio is not waterproof. Avoid exposing it to rain, splashes, or immersion in water.

6. Troubleshooting

If you encounter issues with your PNI CP225, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Radio does not power on.	Battery is low or not installed correctly.	Charge the battery. Ensure the battery is correctly inserted and the compartment cover is closed.
No sound or low volume.	Volume is too low; squelch is too high; radio is on wrong channel.	Increase volume. Check channel. Use monitor function to listen for weak signals.
Cannot transmit or receive.	Radios are on different channels; out of range; battery low.	Ensure both radios are on the same channel. Move closer to the other radio. Charge battery.
Static or poor audio quality.	Out of range; interference; low battery.	Move closer to the other radio. Avoid sources of electronic interference. Charge battery.

7. Specifications

Detailed technical specifications for the PNI CP225 Mini Walkie Talkie:

Feature	Specification

Feature	Specification
Model Number	PNI-CP225
Item Weight	7.2 ounces (205 Grams)
Product Dimensions	1.65 x 0.94 x 4.53 inches
Batteries	1 Lithium Metal battery (included)
Number of Channels	8
Talking Range Maximum	5 Kilometers (open terrain)
Tuner Technology	UHF
Voltage	3.7 Volts
Transmitter Power	0.5W
Frequency Range	446.00625-446.09375MHz

8. Warranty and Support

PNI products are manufactured to high-quality standards. For information regarding warranty coverage, technical support, or service, please refer to the warranty card included with your product or visit the official PNI website. You may also contact your retailer for assistance.
Please retain your proof of purchase for any warranty claims.

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