Jopix PNI-242P

JOPIX MARINE 242P Portable Marine Radio User Manual

Model: PNI-242P

1. Introduction

The JOPIX MARINE 242P is a portable VHF marine radio designed for reliable communication on water. This device operates within the 156.000-162.000 MHz frequency range and features adjustable transmission power, an LCD screen, channel scanning, dual/triple watch functions, and an automatic squelch system. Its robust, waterproof (IP67) design ensures durability in marine environments. This manual provides essential instructions for the proper setup, operation, and maintenance of your radio.

2. Package Contents

Verify that all items listed below are present in your product package:

- JOPIX MARINE 242P Portable Marine Radio
- Antenna
- AC Charger (Wall Adapter)
- Car Charger
- 5 x Ni-MH 850 mAh Rechargeable AAA Batteries
- User Manual
- Belt Clip
- Lanyard
- USB Cable



Figure 2.1: All included accessories for the JOPIX MARINE 242P.

3. Product Overview

Familiarize yourself with the main components and controls of your JOPIX MARINE 242P radio.



Figure 3.1: Front view of the radio, highlighting the LCD display and control buttons.



Figure 3.2: Side view of the radio, featuring the PTT button for transmission.



Figure 3.3: Back view of the radio, indicating the battery compartment.



Figure 3.4: Top view of the radio, showing the antenna connection point and the combined volume/power knob.

4. Setup

4.1. Battery Installation

1. Ensure the radio is powered off.
2. Locate the battery compartment cover on the back of the radio.
3. Slide or unlatch the cover to open the compartment.
4. Insert the 5 x Ni-MH AAA rechargeable batteries, observing the correct polarity (+/-) as indicated inside the compartment.
5. Replace the battery compartment cover and ensure it is securely latched to maintain the IP67 waterproof rating.



Figure 4.1: Correct installation of AAA batteries into the radio's compartment.

4.2. Charging the Batteries

Before initial use, fully charge the installed batteries. The radio can be charged using the included AC charger, car charger, or USB cable.

- **Using the AC Charger:** Connect the AC charger to a standard wall outlet and then to the radio's charging port.
- **Using the Car Charger:** Plug the car charger into your vehicle's 12V accessory socket and then to the radio's charging port.
- **Using the USB Cable:** Connect the USB cable to a compatible USB power source (e.g., computer, USB wall adapter) and then to the radio's USB charging port.

The battery indicator on the LCD screen will show charging status. Disconnect the charger once the batteries are fully charged.



Figure 4.2: The included car charger for convenient charging on the go.

4.3. Antenna Attachment

Screw the provided antenna clockwise onto the antenna connector located on the top of the radio until it is finger-tight. Do not overtighten.

4.4. Attaching Belt Clip and Lanyard

Attach the belt clip to the designated slot on the back of the radio for easy carrying. The lanyard can be attached to the loop on the top or side of the radio for added security.

5. Operating Instructions

5.1. Power On/Off and Volume Adjustment

To power on the radio, rotate the **VOL/SQL** knob clockwise. Continue rotating to adjust the listening volume. To power off, rotate the knob counter-clockwise until it clicks.

5.2. Channel Selection

Use the **UP** (▲) and **DOWN** (▼) buttons to navigate through the available channels. The selected channel number will be displayed on the LCD screen.

5.3. Transmitting and Receiving

- **Receiving:** When the radio is powered on and tuned to an active channel, it will automatically receive incoming transmissions.
- **Transmitting:** To transmit, press and hold the **PTT (Push-To-Talk)** button on the side of the radio. Speak clearly into the microphone. Release the PTT button to return to receive mode.

5.4. Adjustable Power Output (3W/1W)

The radio supports adjustable transmission power (3W high, 1W low). Refer to the manual's specific section for changing power levels, typically accessed via the **H/L** button or menu.

5.5. Automatic Squelch (ASQ)

The Automatic Squelch (ASQ) feature automatically mutes weak signals or background noise, ensuring clearer reception. This function is typically enabled by default or can be adjusted via the **VOL/SQL** knob or menu.

5.6. Channel Scan

To activate channel scan, press the **SCAN** button (if available) or access the scan function through the **MENU**. The radio will cycle through programmed channels, stopping on any active channel. Press the button again to stop scanning.

5.7. Dual/Triple Watch

The Dual Watch and Triple Watch functions allow you to monitor Channel 16 (emergency channel) and/or another selected channel while operating on a working channel. Consult the full user manual for detailed instructions on activating and configuring these watch modes.

5.8. Keypad Lock

To prevent accidental button presses, activate the keypad lock function. This is typically done by pressing and holding the **LOCK** button or a combination of keys. Repeat the action to unlock the keypad.

5.9. Emergency Channel 16

Channel 16 is the international distress, safety, and calling frequency. The radio provides quick access to this channel. Ensure you are familiar with its proper use for emergencies.

6. Maintenance

6.1. Cleaning

Clean the radio's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure all port covers are securely closed before cleaning to maintain waterproofing.

6.2. Battery Care

- Always use the specified Ni-MH AAA rechargeable batteries or compatible alkaline AAA batteries.
- Avoid overcharging or completely discharging the rechargeable batteries to prolong their lifespan.
- If the radio will not be used for an extended period, remove the batteries to prevent leakage.

6.3. Waterproofing (IP67)

The JOPIX MARINE 242P is rated IP67, meaning it is dust-tight and protected against immersion in water up to 1 meter for 30 minutes. To maintain this rating, ensure the battery cover, antenna, and all port covers are securely fastened before exposure to water or dust.

7. Troubleshooting

Problem	Possible Cause	Solution
Radio does not power on	Low or depleted batteries; Incorrect battery installation; Power knob not turned sufficiently.	Charge or replace batteries; Check battery polarity; Rotate VOL/SQL knob fully clockwise.
Cannot transmit or receive	Antenna not attached; Incorrect channel selected; Squelch level too high; Keypad locked.	Attach antenna securely; Verify channel selection; Adjust squelch; Unlock keypad.
Poor audio quality or static	Weak signal; Interference; Antenna issue; Squelch level too low.	Move to an area with better signal; Check antenna connection; Adjust squelch level.
Keypad unresponsive	Keypad lock is active.	Deactivate keypad lock (refer to section 5.8).
Battery indicator shows low power quickly	Batteries not fully charged; Old or worn-out batteries.	Ensure full charge cycle; Consider replacing batteries.

8. Specifications

Feature	Specification
Model Number	PNI-242P
Brand	Jopix
Color	Black
Frequency Range	156.000 – 162.000 MHz
Number of Channels	16
Transmission Power	3W / 1W (Adjustable)
Max Talk Range	9.26 Kilometers
Voltage	7.5 V (DC)
Battery Type	5 x AAA (Ni-MH rechargeable 850 mAh included, or alkaline)
Battery Life	Approximately 8 Hours
Waterproof Level	IP67 (Dust-tight, protected against immersion up to 1m for 30 min)
Operating Temperature	-26°C ~ +80°C
Dimensions (D x W x H)	3.5 cm x 6 cm x 27.5 cm

Feature	Specification
Weight	36 grams (radio only, without batteries/antenna)
Special Features	LCD Screen, Backlight, Channel Scan, Dual/Triple Watch, Keypad Lock, Automatic Squelch, Battery Indicator

9. Warranty Information

The JOPIX MARINE 242P portable marine radio comes with a**24-month warranty** from the date of purchase. This warranty covers manufacturing defects and material faults under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or failure to follow the instructions in this manual. Please retain your proof of purchase for warranty claims.

10. Support

For further assistance, technical support, or service inquiries regarding your JOPIX MARINE 242P radio, please refer to the contact information provided with your purchase documentation or visit the official Jopix website. When contacting support, please have your product model (PNI-242P) and serial number ready.

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