Jopix AP-7

Jopix AP-7 CB Mobile Transceiver User Manual

Model: AP-7

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Jopix AP-7 CB Mobile Transceiver. Please read this manual thoroughly before using the device to ensure proper function and safety. This CB radio is designed for reliable communication in mobile environments, featuring multi-standard channels and a compact design.

Package Contents

Verify that all the following items are included in your package:

- Jopix AP-7 CB Radio Unit
- CB Radio Antenna with Magnetic Base
- 6-pin Microphone
- Mounting Bracket for Radio
- Screws for Radio Mounting
- Microphone Holder
- Screws for Microphone Holder
- User Manual (this document)



Image: Complete kit including the CB radio, microphone, antenna, and mounting accessories.

Product Overview

The Jopix AP-7 is a compact and robust CB mobile transceiver designed for ease of use and reliable communication.

Radio Unit



Image: Front view of the Jopix AP-7 CB radio with the microphone connected. Features include channel display, channel up/down buttons, and squelch control.



Image: Rear view of the Jopix AP-7 CB radio, showing the antenna connector (PL259) and power input.

Antenna



Image: Included CB radio antenna with a magnetic base for easy vehicle mounting. The antenna cable terminates in a PL259 connector.

Setup Instructions

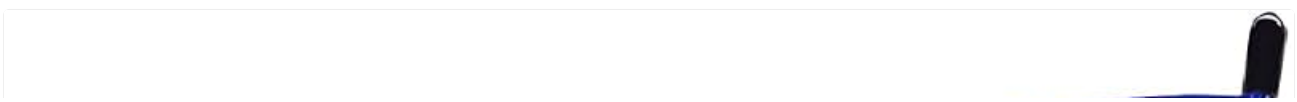
Follow these steps to set up your Jopix AP-7 CB Mobile Transceiver.

1. **Mounting the Radio:** Choose a suitable location in your vehicle for the CB radio unit. Use the provided mounting bracket and screws to securely attach the radio. Ensure the location allows for easy access to controls and clear visibility of the display.
2. **Mounting the Microphone:** Install the microphone holder in a convenient location using the provided screws.
3. **Connecting the Microphone:** Plug the 6-pin microphone connector into the corresponding port on the front of the CB radio unit. Ensure it clicks securely into place.



Image: The 6-pin microphone with its coiled cable, ready for connection to the radio unit.

4. **Connecting the Antenna:** Place the magnetic base antenna on a flat, metallic surface of your vehicle, such as the roof or trunk lid, ensuring it is as high as possible and clear of obstructions. Route the antenna cable carefully to the radio unit, avoiding sharp bends or pinching. Connect the PL259 connector of the antenna cable to the 'ANT' port on the rear of the CB radio unit. Tighten the connector finger-tight.




CB
JOPIX



Image: Close-up of the PL259 connector, used to connect the antenna to the CB radio.

5. **Power Connection:** Connect the power cable from the CB radio to your vehicle's 12-24V power source. Ensure the connection is secure and correctly polarized (red to positive, black to negative). The power cable typically features a cigarette lighter plug for convenience.



Image: The 12-24V power plug, typically used with a vehicle's cigarette lighter socket.

Operating Instructions

Familiarize yourself with the controls and functions of your Jopix AP-7 CB radio.

- **Power On/Off:** Turn the volume knob clockwise to power on the unit. Turn it counter-clockwise until it clicks to power off.
- **Volume Control:** Adjust the volume knob to your desired listening level.
- **Channel Selection:** Use the UP/DOWN arrow buttons on the front panel to select one of the 40 available channels.
- **AM/FM Mode:** The radio supports both AM and FM modulation. Select the appropriate mode for your communication needs.
- **ASQ (Automatic Squelch):** Activate the ASQ function for automatic noise reduction. This feature automatically adjusts the squelch level to suppress background noise when no signal is present.
- **RF Gain:** Adjust the RF Gain control to optimize receiver sensitivity, especially in areas with strong or weak signals.
- **Emergency Channels (9/19):** Press the dedicated emergency channel button to quickly switch to Channel 9 (emergency) or Channel 19 (road information).
- **Channel Scan:** Use the scan function to automatically sweep through all active channels.
- **Signal Level LED:** Observe the LED indicator for signal strength and transmission status (RX/TX).
- **Transmitting:** To transmit, press and hold the PTT (Push-To-Talk) button on the microphone. Speak clearly into the microphone. Release the PTT button to listen.

Maintenance

Proper maintenance ensures the longevity and optimal performance of your CB radio.

- **Cleaning:** Keep the radio unit and microphone clean and dry. Use a soft, damp cloth to wipe surfaces. Do not use abrasive cleaners or solvents.
- **Connections:** Periodically check all cable connections (power, antenna, microphone) to ensure they are secure and free from corrosion.
- **Antenna:** Inspect the antenna and its cable for any signs of damage. Ensure the magnetic base is clean and firmly attached to the vehicle surface.
- **Storage:** If storing the unit for an extended period, disconnect it from power and store it in a cool, dry place.

Troubleshooting

If you encounter issues with your Jopix AP-7, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power to the unit	Loose power connection, blown fuse, vehicle power issue	Check power cable connection, inspect fuse in the power plug, verify vehicle's 12-24V power source.
No signal reception or poor audio	Antenna not connected, damaged antenna cable, high SWR, squelch set too high	Ensure antenna is securely connected. Inspect antenna cable for damage. Check SWR (Standing Wave Ratio) if possible. Adjust ASQ or manual squelch control.
Cannot transmit	Microphone not connected, faulty microphone, incorrect mode	Verify microphone is securely plugged in. Test with another microphone if available. Ensure you are on an active channel and not in scan mode.
Interference or static	Electrical interference from vehicle, weak signal, high RF Gain	Check vehicle's electrical system for noise sources. Adjust RF Gain. Ensure antenna is properly grounded.

Specifications

Detailed technical specifications for the Jopix AP-7 CB Mobile Transceiver.

Model: AP-7

Type: Mobile Transceiver

Emission Band Type: AM-FM

Frequency: 26.565 – 27.405 MHz

Channels: 40

Microphone Type: 6-pin

Transmission Power: 4 W / 1 W

Power Supply: 12-24 V

Dimensions (Radio Unit): 150 x 115 x 37 mm

Weight (Radio Unit): 836 g

Special Features: ASQ (Automatic Squelch), Channel Scan, RF Gain, Emergency Channels 9/19, Signal Level LED

Antenna Specifications:

Working Frequency: 26.965 - 27.405 MHz

Max Applied Power: 20 W

Minimum SWR: ≤ 2 (at band center)

Antenna Length: 427 mm

Working Distance: Up to 10 km (depending on conditions)

Impedance: 50 ohms

Connector Type: PL259

Magnetic Base Diameter: Ø42 mm

Cable Length: 3 m

Polarization: Vertical

Warranty and Support

The Jopix AP-7 CB Mobile Transceiver comes with a **2-year manufacturer warranty**.
For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact your authorized retailer or the manufacturer, Jopix, directly. Please retain your proof of purchase for warranty service.

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