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pxton 666S Two-Way Radio User Manual

Model: PX-666S

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your pxton 666S two-way radio. Please read this manual thoroughly before operating the device and retain it for future reference. The pxton 666S is a reliable communication device designed for various applications, featuring 16 memory channels, privacy codes, and multiple functions such as VOX, noise reduction, and a flashlight.

FCC ID: 2AX68GTR8. This device complies with Part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.



Image 1.1: A set of ten pxton 666S two-way radios, each with its charging dock and an earphone, illustrating the complete package.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- 10 x pxton 666S Two-Way Radios
- 10 x USB Charging Docks
- 10 x 1500mAh Lithium Batteries
- 10 x Belt Clips
- 10 x Earphones
- 5 x User Manuals



Image 2.1: An illustration of the individual components included in the pxton 666S package: the radio unit, charging dock, battery, belt clip, earphone, and user manual.

3. PRODUCT OVERVIEW

3.1 Key Features

- 16 Memory Channels
- 165 Privacy Codes (50 CTCSS / 210 DCS)
- 5 Levels of VOX Sensitivity Adjustment
- Time-Out Timer (TOT)
- Emergency Alarm
- Noise Reduction
- Automatic Squelch
- Low Battery Alert
- Power-Saving Mode
- Scanning Function
- Monitoring Function
- LED Flashlight
- Durable PC+ABS material construction

3.2 Radio Components



Image 3.1: Detailed diagram labeling the external components of the pxton 666S radio, including the integrated sensitive antenna, flashlight, LED indicator, PTT button, clear speaker, built-in microphone, SP/MIC jacks, MONI button, flashlight button, channel switch, and power switch/volume control.

1. **Integrated Sensitive Antenna:** For transmitting and receiving signals.
2. **Flashlight:** Provides illumination.
3. **LED Indicator:** Displays status (e.g., transmitting, receiving, low battery).
4. **PTT Button (Push-to-Talk):** Press to transmit, release to receive.
5. **Clear Speaker:** For audio output.
6. **Built-in Microphone:** For audio input.
7. **SP/MIC Jacks:** For connecting external earphones or microphones.
8. **MONI Button (Monitor):** Temporarily disables squelch to hear weak signals.
9. **Flashlight Button:** Activates the LED flashlight.
10. **Channel Switch:** Rotates to select desired communication channel.
11. **Power Switch/Volume Control:** Rotates to turn the radio on/off and adjust volume.



Image 3.2: The pxton 666S radio resting on rocks, emphasizing its rugged PC+ABS durable material, anti-fall, and anti-vibration design for extended service life.

4. SETUP

4.1 Battery Installation

1. Align the battery pack with the grooves on the back of the radio.
2. Slide the battery pack upwards until it clicks into place.
3. To remove, press the release latch (if present) and slide the battery downwards.

4.2 Charging the Battery

The pxton 666S uses a 1500mAh Li-ion battery. A full charge takes approximately 3-4 hours.

1. Connect the USB charging dock to a power source.
2. Place the radio (with battery installed) into the charging dock.
3. The LED indicator on the radio or charger will show charging status (e.g., red for charging, green for fully charged).



Image 4.1: Two pxton 666S radios placed in their respective charging docks, with earphones connected, demonstrating the charging setup.

4.3 Attaching the Belt Clip

Secure the belt clip to the back of the radio using the provided screws for convenient carrying.

4.4 Connecting Earphones

Insert the earphone plug into the SP/MIC jacks on the side of the radio. Ensure it is fully inserted for proper audio transmission and reception.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off and Volume Control

- To turn on the radio, rotate the **Power Switch/Volume Control** knob clockwise. You will hear a "click" and a tone.
- To turn off the radio, rotate the knob counter-clockwise until you hear a "click".
- To adjust the volume, rotate the **Power Switch/Volume Control** knob clockwise to increase volume and counter-clockwise to decrease it.

5.2 Channel Selection

Rotate the **Channel Switch** knob to select one of the 16 available channels. Ensure all radios in your group are set to the same channel for communication.

5.3 Transmitting and Receiving

- To transmit, press and hold the **PTT Button**. Speak clearly into the microphone. The LED indicator will typically glow red.
- To receive, release the **PTT Button**. The LED indicator will typically glow green when receiving a signal.

5.4 VOX Function (Voice Operated Transmission)

The VOX function allows hands-free operation. When activated, the radio will automatically transmit when it detects your voice, without needing to press the PTT button. The pxton 666S offers 5 levels of VOX sensitivity adjustment.

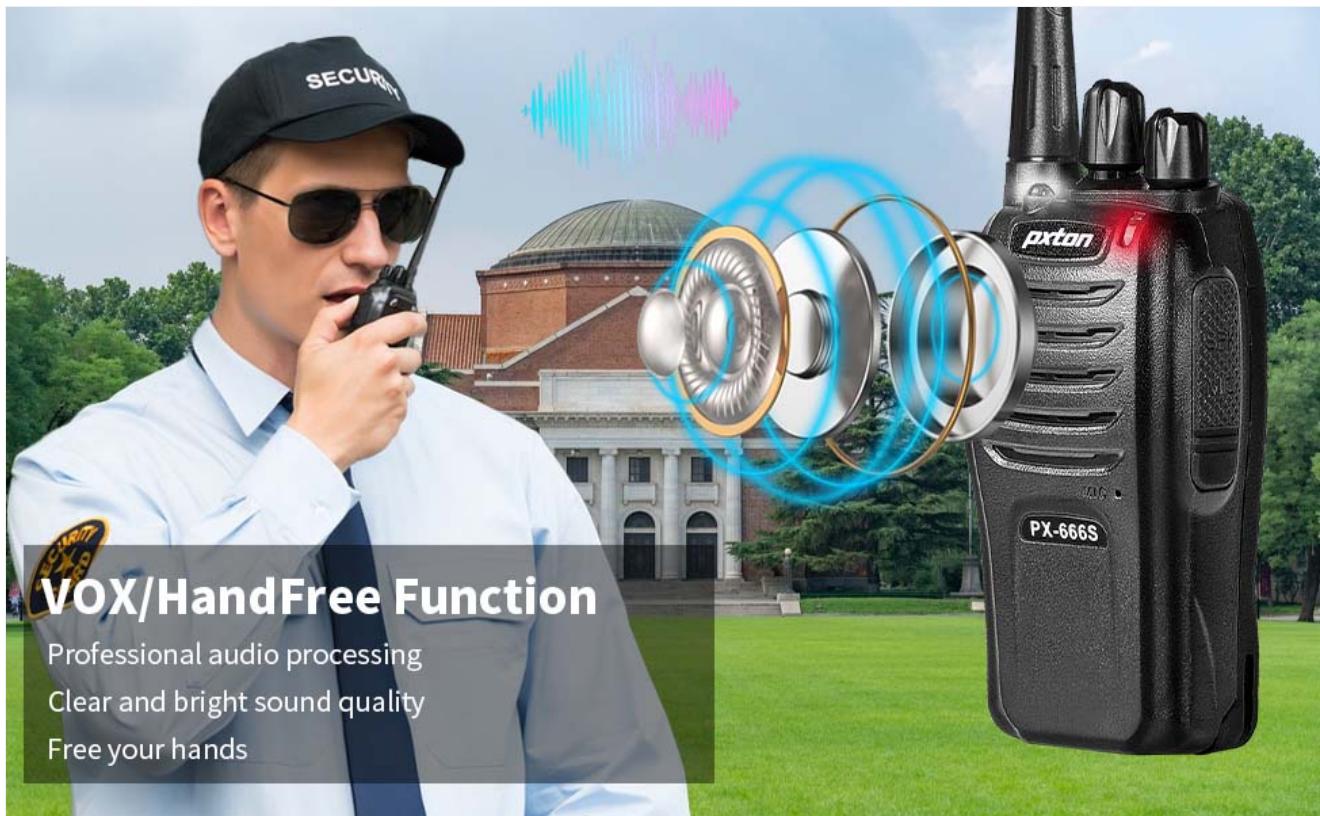


Image 5.1: A security guard using the pxton 666S radio, illustrating the VOX/Handsfree function for clear and bright sound quality, allowing hands-free communication.

5.5 Flashlight

Press the **Flashlight Button** to turn the LED flashlight on or off. This feature is useful in low-light conditions.



Image 5.2: The pxton 666S radio's flashlight feature in use, illuminating a campsite at night, demonstrating its utility in dark environments.

5.6 Monitoring Function

Press and hold the **MONI Button** to temporarily disable the squelch function. This allows you to hear very weak signals that might otherwise be blocked by the squelch, or to check if a channel is clear before transmitting.

5.7 Scanning Function

The scanning function allows the radio to automatically scan through all programmed channels to detect activity. Refer to the full user manual (if provided separately) for specific instructions on activating and managing the scanning feature.

5.8 Other Features

- **Noise Reduction:** Enhances audio clarity by reducing background noise.
- **Emergency Alarm:** Activates an audible alarm to signal for help.
- **Time-Out Timer (TOT):** Prevents accidental prolonged transmissions by limiting the duration of each transmission.
- **Power-Saving Mode:** Automatically reduces power consumption when no activity is detected, extending battery life.
- **Low Battery Alert:** Provides an audible or visual warning when the battery level is low, indicating it's time to recharge.

6. COMMUNICATION RANGE

The actual communication range of the pxton 666S can vary significantly based on environmental factors, terrain, and obstructions. General estimates are:

- **Open Areas (flat terrain, mountain peaks):** Up to 3 miles.
- **Suburban/Countryside Areas:** Approximately 1.2 miles.
- **City Limits (with buildings and obstructions):** Around 0.6 miles.

We tested the communication distance



Image 6.1: Visual representation of the pxton 666S communication range, indicating up to 1-3 miles in open areas, 1.2 miles in rural settings, and 0.6 miles in urban environments.

7. BATTERY INFORMATION

The pxton 666S is powered by a rechargeable 1500mAh Lithium-Ion battery (Model: BL-1, 5.55Wh, Voltage: 3.7V).

- **Typical Use:** Up to 12 hours of continuous talk time.
- **Standby Time:** Up to 120 hours (5-7 days).
- **Full Charging Time:** Approximately 3-4 hours.

Important Battery Safety Information:

- Do not disassemble the battery.
- Do not dispose of in fire.
- Use only the specified charger.
- Do not short-circuit the terminals.
- Store in a cool, dry place.

Long standby time



1500mAh



Standby Time



Typical Use



Continuous Use



Full Charging Time

Image 7.1: The pxton 666S radio alongside its 1500mAh Li-ion battery, detailing battery model (BL-1), capacity (1500mAh), voltage (3.7V), and safety warnings.

8. SPECIFICATIONS

Feature	Specification
Model Number	PX-666S-0004
Brand	pxton
Number of Channels	16
Frequency Range	UHF

Feature	Specification
Talking Range Maximum	3 Miles (line of sight)
Battery Type	1500mAh Lithium Ion (included)
Voltage	3.7 Volts
Item Weight	7.05 pounds (for 10-pack)
Product Dimensions	9.9 x 11 x 6.9 inches (package dimensions)
Water Resistance Level	Water Resistant
Special Features	Automatic Squelch, Battery Saver Mode, Long Range, Rechargeable, Voice Operated Transmission (VOX)



Image 8.1: A size comparison of the pxton 666S radio next to a smartphone (iPhone 14 Pro), illustrating its compact dimensions for portability.

9. TROUBLESHOOTING

If you encounter issues with your pxton 666S radio, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power	Battery not installed correctly or discharged.	Ensure battery is properly seated. Charge the battery fully.
Cannot transmit or receive	Incorrect channel, out of range, low battery, squelch too high.	Verify all radios are on the same channel. Move closer to other radios. Recharge battery. Press MONI button to check for weak signals.
Poor audio quality / Static	Weak signal, interference, radio too far apart.	Move to an area with fewer obstructions. Adjust volume. Ensure antenna is clear.
VOX not working	VOX sensitivity too low, feature disabled.	Adjust VOX sensitivity to a higher level. Ensure VOX is enabled (refer to full manual for programming).
Battery life is short	Frequent transmission, battery degradation, power-saving mode off.	Reduce transmission time. Ensure power-saving mode is active. Consider replacing old batteries.

For further assistance, please contact pxton customer support.

10. MAINTENANCE

- Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or abrasive cleaners.
- Storage:** When not in use for extended periods, remove the battery and store the radio in a cool, dry place.
- Battery Care:** Fully charge batteries before long-term storage and recharge them every 3-6 months to maintain optimal performance.
- Antenna:** Do not bend or modify the antenna, as this can affect performance.
- Water Resistance:** While water-resistant, avoid submerging the radio in water. Ensure all covers (e.g., earphone jack cover) are securely closed.

11. WARRANTY AND SUPPORT

pxton offers a **30-day no-questions-asked replacement and refund policy** from the date of purchase.

Additionally, the product comes with **lifetime after-sales service**.

If you encounter any issues or require support, please contact pxton customer service. They are committed to assisting you with any concerns.

Compatibility Note: The pxton 666S walkie talkie is compatible with PX-888S, PX-777S, and PX-888S Pro models. They can utilize the same programming tools and cables (programming cable sold separately).

Related Documents - PX-666S

	<p>Pxtion PX-999S GMRS Two-Way Radio Programming and Firmware Upgrade Guide</p> <p>Comprehensive guide for programming the Pxtion PX-999S GMRS two-way radio using the MP31 GMRS CPS software. Includes instructions for downloading, installation, configuration, and firmware upgrades.</p>
	<p>Pxtion PX-888S Walkie Talkie Programming Guide for Windows 10</p> <p>A comprehensive guide to programming Pxtion PX-888S walkie-talkies using Windows 10. Learn how to connect, configure software, set frequencies, and manage advanced features.</p>
	<p>Baofeng BF-888s Two-Way Radio User Manual and Specifications</p> <p>Comprehensive user manual for the Baofeng BF-888s two-way radio, covering operation, features, technical specifications, troubleshooting, and safety precautions. Includes details on frequency range, channels, battery, and accessories.</p>
	<p>Pxtion PX-999S GMRS Two-Way Radio Programming and Firmware Upgrade Guide</p> <p>Comprehensive guide for programming the Pxtion PX-999S GMRS two-way radio using the MP31 GMRS CPS software. Includes instructions for downloading, installation, configuration, and firmware upgrades.</p>
	<p>Pxtion PX-888S Walkie Talkie Programming Guide for Windows 10</p> <p>A comprehensive guide to programming Pxtion PX-888S walkie-talkies using Windows 10. Learn how to connect, configure software, set frequencies, and manage advanced features.</p>
	<p>simvalley WT-330 Walkie-Talkie Set: Bedienungsanleitung, Technische Daten & Sicherheit</p> <p>Umfassende Bedienungsanleitung für das simvalley WT-330 2er-Set Walkie-Talkies. Enthält technische Daten, Inbetriebnahme, Nutzungshinweise, VOX-Funktion, Reichweite, Sicherheit und Entsorgung.</p>