

ALERVITES AT-WP31D

ALERVITES AT-WP31D UHF Handheld Two-Way Radio User Manual

Model: AT-WP31D

INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your ALERVITES AT-WP31D UHF Handheld Two-Way Radios. Please read this manual thoroughly before operating the device to ensure optimal performance and to prevent damage. Keep this manual for future reference.

PACKAGE CONTENTS

Upon opening your ALERVITES AT-WP31D package, please verify that all the following items are included:

- 2 x ALERVITES AT-WP31D Radios
- 2 x Rechargeable Batteries (1500mAh)
- 2 x Earpieces
- 1 x 2-in-1 USB-C Charging Cable
- 2 x Belt Clips
- 2 x Slings
- 1 x User Manual

PRODUCT FEATURES

The ALERVITES AT-WP31D radios are equipped with several features designed for reliable communication:

- **Long Range Communication:** Capable of reaching 3-5 miles in open areas and 1-1.5 miles in urban environments.
- **Voice Encryption:** Offers enhanced privacy with encrypted channels (CH11-CH16) to prevent unauthorized scanning.

- **Intelligent Noise Reduction:** Improves call clarity and volume, especially in noisy surroundings.
- **VOX Function:** Voice-activated transmission allows for hands-free operation.
- **Battery Save Mode:** Extends battery life during periods of inactivity.
- **Channel Scan:** Automatically scans for active channels.
- **USB-C Charging & 1500mAh Battery:** Convenient charging from various USB sources and long standby time.
- **Durable Design:** Constructed from PC material for anti-fall and dust-proof performance in harsh environments.

Image: ALERVITES AT-WP31D Walkie Talkie highlighting its compact dimensions (4.3in/11cm height, 1.2in/3cm depth, 2.1in/5.3cm width) and core features such as UHF frequency, 30 channels (analog & digital), noise reduction, frequency copy, VOX, channel scan, TOT (Time-Out Timer), and 2-in-1 Type-C charger.

SETUP GUIDE

1. Charging the Radios

Before first use, fully charge the radio batteries. The 1500mAh high-capacity battery provides extended use.

1. Connect the provided USB-C charging cable to the USB-C port located at the bottom of the radio.
2. Plug the other end of the USB-C cable into a compatible USB power source (e.g., power bank, PC, car charger, wall adapter).
3. The charging indicator on the radio will show the charging status. Ensure the battery is fully charged before disconnecting.



Image: An ALERVITES AT-WP31D walkie talkie with its 1500mAh battery being charged via its USB-C port. Illustrations show it connecting to a car charger, a power bank, and a laptop, demonstrating versatile charging options.

2. Attaching Accessories

Attach the earpiece, belt clip, and sling as needed for convenient use.

- **Earpiece:** Plug the earpiece into the audio jack on the side of the radio.
- **Belt Clip:** Secure the belt clip to the back of the radio using the provided screws.
- **Sling:** Attach the sling to the designated loop on the radio for carrying.

3. Powering On/Off

To power on or off the radio, rotate the power/volume knob clockwise to turn on and counter-clockwise until it clicks to turn off.

OPERATING INSTRUCTIONS

1. Channel Selection

Your radio supports up to 30 channels, including analog and encrypted modes.

- **Analog Mode (CH1-CH10):** These channels can communicate with other walkie talkies, provided their frequencies are consistent. If frequencies differ, programming software may be required to adjust them.
- **Encrypted Mode (CH11-CH16):** These channels offer enhanced privacy. In this mode, the radio can only communicate with other ALERVITES AT-WP31D radios set to the same encrypted channel. Other radios cannot scan or decrypt these frequencies.



Image: Two ALERVITES walkie talkies demonstrating the strong call encryption feature. The image highlights secure communication, privacy protection, and interference prevention. It specifies that channels 1-10 are Analog Mode and channels 11-16 are Encrypted Mode. A note explains that analog mode can communicate with other walkie talkies if frequencies match, and programming software can be used for adjustments.

2. Transmitting and Receiving

- **To Transmit:** Press and hold the Push-To-Talk (PTT) button on the side of the radio. Speak clearly into the microphone. Release the PTT button to stop transmitting.
- **To Receive:** Ensure the radio is powered on and on the correct channel. The radio will automatically

receive incoming transmissions.

3. Using VOX Function

The VOX (Voice Operated Exchange) function allows for hands-free transmission.

- When VOX is enabled, the radio will automatically transmit when it detects your voice, eliminating the need to press the PTT button.
- Refer to the radio's menu or specific button combinations (if available) to activate or deactivate VOX.

4. Channel Scanning

To find active conversations, use the channel scan feature.

- Activate channel scan (refer to your radio's specific controls). The radio will cycle through channels until it detects a signal.
- It will pause on the active channel until the transmission ends, then resume scanning.

5. Programming Software

For advanced users who require frequency adjustments or specific configurations (e.g., to enable communication with other radio brands in analog mode), programming software is available. Contact ALERVITES customer support for access to the software and guidance.

MAINTENANCE AND CARE

1. Battery Maintenance

- Always use the provided charging cable and a compatible USB power source.
- Avoid overcharging or completely draining the battery to prolong its lifespan.
- If the radio will not be used for an extended period, charge the battery to about 50% and store it separately from the radio in a cool, dry place.

2. Cleaning Your Radio

- Wipe the radio's exterior with a soft, damp cloth.
- Do not use harsh chemicals, solvents, or abrasive cleaners.
- Ensure the USB-C port and earpiece jack are free of dust and debris.

3. Storage Guidelines

- Store the radio in a cool, dry environment, away from direct sunlight and extreme temperatures.
- Keep the radio away from strong magnetic fields.

TROUBLESHOOTING

If you encounter issues with your ALERVITES AT-WP31D radio, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Radio does not power on.	Battery is depleted or not properly installed.	Charge the battery fully. Ensure the battery is securely attached.
Poor communication range or unclear audio.	Obstructions (buildings, terrain), low battery, or incorrect channel.	Move to an open area. Ensure battery is charged. Verify both radios are on the same channel.
Cannot communicate with other radios.	Different channels, encryption mismatch, or incompatible radio types.	Ensure both radios are on the same channel. If using encrypted channels (CH11-CH16), ensure both are ALERVITES AT-WP31D and on the same encrypted channel. For analog communication with other brands, frequencies may need to be programmed using software.
VOX function not working.	VOX sensitivity too low or function is disabled.	Check radio settings to enable VOX and adjust sensitivity.

TECHNICAL SPECIFICATIONS

Specification	Detail
Model Number	AT-WP31D
Brand	ALERVITES
Frequency Range	UHF
Number of Channels	30 (CH1-CH10 Analog, CH11-CH16 Encrypted)
Talking Range Maximum	Up to 5 miles (open areas), 1-1.5 miles (urban areas)
Battery Capacity	1500mAh (Rechargeable)
Charging Port	USB-C
Special Features	Battery Saver Mode, Lightweight, Long Range, Rechargeable, VOX, Noise Reduction, Voice Encryption, Channel Scan
Water Resistance Level	Not Water Resistant
Item Weight	Approximately 1.16 pounds (for the pair)
Package Dimensions	7.91 x 7.56 x 2.4 inches
FCC ID	2BBGD-AT31D

WARRANTY INFORMATION

Please note that this product does not come with a manufacturer's warranty as per the product information provided.

SUPPORT

For further assistance, technical inquiries, or to request programming software, please contact ALERVITES customer support through the retailer where the product was purchased. Ensure you have your product model number (AT-WP31D) and purchase details ready.

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