Airiton AI-G7

Airiton AI-G7 4G POC Two-Way Radio User Manual

Model: AI-G7

1. INTRODUCTION

The Airiton AI-G7 is a state-of-the-art 4G Push-to-Talk Over Cellular (POC) two-way radio designed for seamless, long-distance communication. Leveraging 4G network technology, it offers unlimited communication range, covering distances up to 5000 miles, making it ideal for various professional and personal applications. This manual provides essential information for setting up, operating, and maintaining your AI-G7 radio.

Figure 1.1: Airiton AI-G7 radios connected across a global network, illustrating unlimited communication distance via 4G POC technology.

2. WHAT'S IN THE BOX

Upon unboxing your Airiton AI-G7 package, please verify that all the following components are included:

- 2 x Airiton AI-G7 Radio Body
- 2 x Battery
- 2 x Type-C USB Charger (Cable and Adapter)
- 2 x Belt Clip
- 2 x Hand Strap (Lanyard)
- 1 x Screwdriver
- 1 x User Manual (This document)
- 2 x SIM Card (pre-installed)

- 2 x Earpiece

Figure 2.1: Overview of the Airiton AI-G7 package contents, showing two radios, SIM cards, charging cables, power adapters, lanyards, and earpieces.

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Video 2.1: An unboxing video demonstrating the contents of the Airiton AI-G7 package and initial setup steps.

3. SETUP

3.1 SIM Card Installation

The AI-G7 radios come with SIM cards pre-installed in the side card slot. No manual installation is typically required for initial use. If you need to access or replace the SIM card:

1. Locate the SIM card slot cover on the side of the radio.

2. Carefully open the cover.

3. Insert or remove the SIM card as needed, ensuring correct orientation.

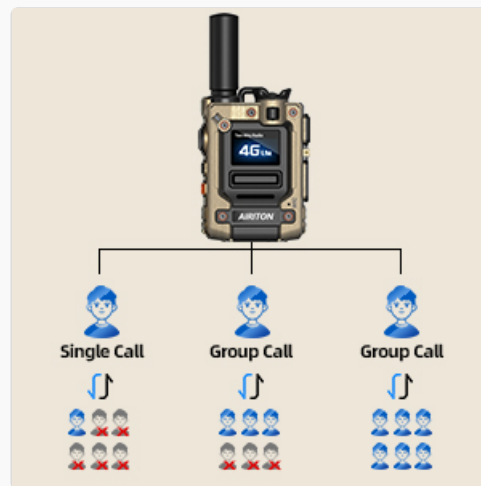4. Securely close the SIM card slot cover to protect against dust and moisture.

Figure 3.1: Visual guide for SIM card installation, highlighting the side slot where the SIM card is inserted.

3.2 Charging the Radio

Before first use, fully charge your AI-G7 radio. Use the provided Type-C USB charger.

1. Connect the Type-C USB cable to the charging port on the side of the radio.

2. Connect the other end of the cable to the power adapter.

3. Plug the power adapter into a standard electrical outlet.

4. The radio's display will indicate charging status. A full charge typically takes several hours.

Figure 3.2: Illustration of the Type-C charging process for the Airiton AI-G7 radio, demonstrating connection to a power source.

4. OPERATING INSTRUCTIONS

4.1 Radio Controls and Display

Familiarize yourself with the main controls and indicators on your AI-G7 radio:

Figure 4.1: Detailed diagram of the AI-G7 radio, highlighting key components such as the PTT button, volume controls, charging port, and display.

- **On/Off Key:** Press and hold to power the radio on or off.
- **PTT (Push-to-Talk) Key:** Press and hold to transmit your voice. Release to listen.
- **Flashlight/Menu Key:** Short press to activate/deactivate the flashlight. Long press to access menu options.
- **Volume/Menu Up/Down:** Adjust volume or navigate menu options.
- **Color Screen:** Displays current status, group information, battery level, and network signal.
- **Type-C Charging Port:** For charging the radio.
- **SIM Card Slot:** Houses the pre-installed SIM card.

4.2 Communication Modes

The AI-G7 supports both single and group call functions:

- **Single Call:** For one-on-one private communication.
- **Group Call:** For broadcasting messages to a pre-defined group of radios. This is the primary mode for team communication.

To switch between groups or initiate a single call, use the menu navigation buttons. The radios are typically pre-set with default groups for immediate use.

Figure 4.2: Visual representation of the two primary communication modes: single call for private conversations and group call for team communication.

4.3 Flashlight Function

The AI-G7 radio includes a built-in flashlight for convenience in low-light conditions.

- To turn the flashlight on or off, short press the Flashlight/Menu Key.
- Some models may offer multiple brightness levels or a strobe mode, which can be cycled through by repeated short presses.

Figure 4.3: The AI-G7 radio demonstrating its integrated flashlight feature, useful for various environments.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Airiton AI-G7 radios, follow these maintenance guidelines:

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Avoid harsh chemicals or abrasive cleaners.
- **Storage:** Store the radios in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** Fully charge the battery before long-term storage. Avoid completely draining the battery frequently.
- **Durability:** The AI-G7 features a zinc alloy body designed to be shockproof and drop-resistant. While durable, avoid unnecessary drops or impacts to prevent damage.

Figure 5.1: The robust metal casing of the AI-G7 radio, designed for enhanced durability and resistance to wear and impact.

6. TROUBLESHOOTING

If you encounter issues with your Airiton AI-G7 radio, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Radio does not power on.	Low or depleted battery.	Charge the radio fully using the provided Type-C charger.
No signal or poor communication.	Out of 4G network coverage; SIM card issue.	Move to an area with better 4G coverage. Ensure SIM card is properly installed. Contact customer service if issues persist.

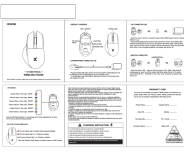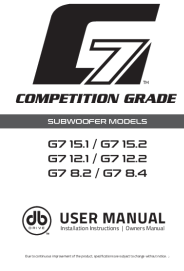| Problem	Possible Cause	Solution
Audio is unclear or distorted.	Weak signal; microphone obstruction; volume too low/high.	Check network signal strength. Ensure microphone is clear. Adjust volume. The AI-G7 has advanced noise-cancelling microphones for clear sound.
Cannot communicate with other radios.	Radios are not in the same group; pairing issue.	Ensure all radios are set to the correct communication group. If you purchased more radios, contact Airiton customer service with serial numbers for pairing assistance.

7. SPECIFICATIONS

Key technical specifications for the Airiton AI-G7 4G POC Two-Way Radio:

- **Model:** AI-G7
- **Communication Technology:** 4G POC (Push-to-Talk Over Cellular)
- **Coverage:** National, up to 5000 miles (network dependent)
- **FCC Certification:** FCC ID: 2BMG4-AI-G7
- **Frequency Range:** 700 MHz to 2.6 GHz
- **Number of Channels:** 200
- **Power Source:** Rechargeable Battery
- **Charging Port:** Type-C USB
- **Body Material:** Zinc Alloy (shockproof, drop-resistant)
- **Audio Features:** Advanced noise-cancelling microphones
- **Water Resistance Level:** Not Water Resistant
- **Additional Features:** Built-in flashlight, color LCD display, group and private call functions.
- **Dimensions (Approximate):** 3.1 inches (height) x 2.54 inches (width) x 1.6 inches (depth)
- **Weight:** 1.92 pounds

8. WARRANTY AND SUPPORT

Your Airiton AI-G7 radio comes with an annual SIM card service for the first year, providing unlimited high-speed data. After the first year, you have the option to renew the service or use your own compatible SIM card.
For technical guidance, pairing additional radios, or any other customer service inquiries, please contact Airiton customer support. Provide your radio's serial number for efficient assistance.
Note: The manufacturer provides no explicit warranty information beyond the SIM card service. Please refer to your purchase documentation or contact the seller for specific warranty terms.

Related Documents - AI-G7

	[EVGA SuperNOVA G7 Power Supply Quick Guide](#) Discover the EVGA SuperNOVA G7 series, a compact, 80 Plus Gold certified ATX power supply delivering high efficiency, quiet operation, modular design, and comprehensive protections. This guide covers features, installation, and specifications for models ranging from 650W to 1000W.
	[Bartec Pixavi Phone, Thermal, Cam Quick Start Guide	Intrinsically Safe Devices](#) Quick start guide for Bartec Pixavi Phone, Pixavi Thermal, and Pixavi Cam intrinsically safe devices. Includes setup, charging, features, product markings, FCC/IC compliance, and safety conditions.
	[MCHOSE G7 Wireless Mouse User Manual and Warranty Information](#) A comprehensive guide to the MCHOSE G7 Wireless Mouse, covering product overview, connection methods (2.4G and wireless), DPI settings, battery status, charging instructions, and warranty information.
	[DB Drive G7 Series Competition Grade Subwoofers User Manual & Installation Guide](#) Comprehensive user manual and installation guide for DB Drive G7 series competition grade subwoofers, covering product features, specifications, dimensions, recommended enclosures, wiring configurations, and limited warranty.
	[Imou Rex VT 5MP Wi-Fi Pan & Tilt Camera: Features and Specifications](#) Detailed information about the Imou Rex VT 5MP Wi-Fi Pan & Tilt Camera, including its 5MP/3K resolution, pan and tilt capabilities, two-way talk, AI detection, privacy mode, and storage options.
	[Kastlite LED Bollard Retrofit Lamp Installation Guide - LED-8024X345X-G7-FW](#) Installation and user guide for the Kastlite LED-8024X345X-G7-FW bollard retrofit lamp. Covers requirements, installation steps, wiring, and safety warnings for upgrading existing bollard fixtures.