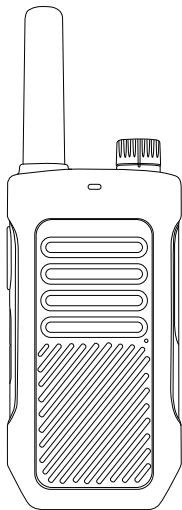


# Walkie Talkies

Model: ZX-708



## User Manual

# DIRECTORY

|                               |    |
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# ATTENTION

ZX-708 is a multitask FRS walkie talkies. Combining the latest technology in radio communication along with a sturdy mechanical frame, ZX-708 is the ideal and effective solution for the professionals who need to stay in touch with the work ingteam (in construction sites, buildings, shows, trade fairs or hotels) or for leisure users that just want to keep up with friends and family.

To help you ward off bodily injury or property loss that may arise from improper operation, please read all the informationc arefully before using our products.

## 1.Safety Attention

### 1.1 Hand-Held Operation (Held-to-Face)

This device was evaluated for typical hand-held (held-to-face) operations with a 1 inch spacing from the front of the radio. For hand-held operation, the radio should be held 1 inch from the user's face in order to comply with FCC RF exposure requirements.

### 1.2 Body-Worn Operation

This device was evaluated for body-worn operations with the supplied belt-clip accessory. (All necessary accessories are included in the package; any additional or optional accessories are not required for compliance with the guidelines.)

## **2.Precautions For Battery**

### **2.1 Charging Prohibition**

To protect you against any property loss, bodily injury or even death, be sure to observe the following safety instructions:

- 1) Do not charge or replace your battery in a location containing fuels, chemicals, explosive atmospheres and other flammable or explosive materials.
- 2) Do not charge your battery that is wet. Please dry it with a soft and clean cloth prior to charge
- 3) Do not charge your battery suffering deformation, leakage and overheat.
- 4) Do not charge your battery in a location where strong radiation is present
- 5) Overcharge shall always be prohibited for it may shorten the life of your battery.

### **2.2 Maintenance Instruction**

To help your battery work normally or prolong its life, be sure to observe the following instructions:

- 1) Accumulated dust on charging connector may affect normal charging. Please use a clean and dry cloth to wipe it on a regular basis.
- 2) Do not remove the battery or unplug the power cord during charging to ensure a smooth charging process.
- 3) Do not dispose of the battery in fire.
- 4) Do not expose the battery to direct sunlight for a long time

nor place it close to other heating sources.

5) Do not squeeze and penetrate the battery, nor remove its housing.

## **3. Maintenance**

### **3.1 Care and Safety**

ZX-708 Walkie Talkie is designed to fulfill any warranty obligations and to enjoy this product for many years. As for all the electronically devices, we recommend you to follow this few suggestions:

- 1) Do not attempt to open the unit. Non-expert handling of the unit may damage it and/or annul the warranty.
- 2) When using regulated power supply, take notice of power voltage that must be 5V to avoid damages.
- 3) High temperatures can shorten the life of electronic devices, and warp or melt certain plastics
- 4) Keep the Radio dry. Rainwater or damp will corrode electronic circuits.
- 5) If it appears that the Radio diffuses peculiar smell or smoke, please shut off its power immediately and take off the charge from the Radio.
- 6) Do not transmit without antenna.
- 7) To clean the radio, use a soft cloth dampened with water. Don't use cleaners or solvents because they can harm the body of the unit and leak inside, causing permanent damage.

## **4.Package Contents**

- Belt clip
- ZX-708 Walkie Talkies
- USB cable
- User manual
- 1500mAh Built-in li-ion battery

Note: The number of the above materials may be depending on the number of packages.

## **5.Main Features**

- FRS Walkie Talkies (No license required)
- 16 FRS two-way channels
- Vocal tuning
- Battery low alert
- 3.5mm Earpiere port
- Li-ion 1500mAh battery
- Output power: <2W
- USB-C connector for charging
- Battery Life: up to 72 hours (under typical use conditions)

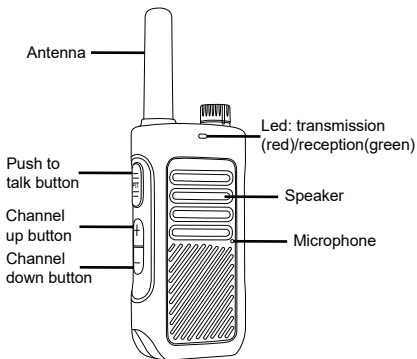
Note: Range may vary depending on environmental and/or topographical conditions.

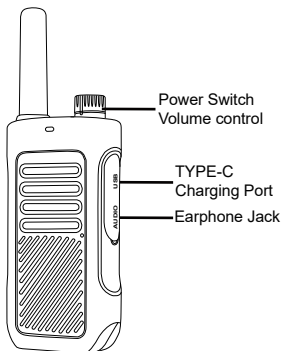
## 6. Battery Recharge

ZX-708 is equipped for using a 1500mAh Li-ion rechargeable battery pack which can be recharged by connecting the USB-C cable to the radio and to a USB-charger. It takes 5 hours to fully recharge the radio.

For maximum battery life, we recommend charging the battery when the ZX-708 is off and the battery is fully discharged.

## 7. Getting Acquainted

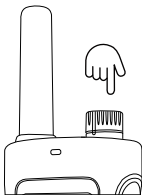




## 8. Operations

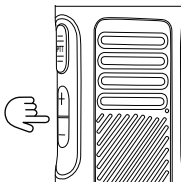
### 8.1 Power on/off and volume adjustment

Rotate the Power/Volume knob clockwise to turn the radio on. Rotate the control clockwise /counter-clockwise to adjust the volume level as you prefer. To turn the radio off, rotate the control counter-clockwise till hearing a mechanical “click”.



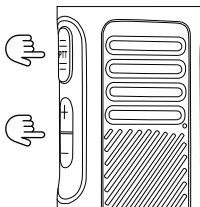
## 8.2 Channel selection

In standby mode, directly press the Channel Up (+)/ Down(-) key to step down or down to select the channel. When the voice prompt function is turned on, the corresponding channel is broadcast by voice.



## 8.3 Transmission

To communicate, all radios in your group must be set to the same channel. press the [PTT] key twice, to transmit your call tone to other radios. Release the [PTT] key to receive. Only one user at a time can talk during radio communications. Therefore, it is important not to transmit when you are receiving a communication and use the transmission mode sparingly to allow other users to talk



## 9. Appendix A. – Technical Specifications

### General Part

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|                     |                              |
|---------------------|------------------------------|
| Frequency Range     | FRS                          |
| Working temperature | -10°C to +40°C               |
| Operation Voltage   | DC 3.7 V $\pm$ 10%           |
| Operation Mode      | Simplex                      |
| Dimensions          | 5.5mm * 2.2mm * 155mm        |
| Weight              | 130g (Battery pack included) |
| Antenna Impedance   | 50ohm                        |
| Duty cycle          | 5/5/90%                      |

### Transmitter Part

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|                        |                 |
|------------------------|-----------------|
| RF Output Power        | <2W             |
| FM Modulation          | 11K0F3E@12.5KHz |
| Adjacent Channel Power | 60dB@12.5KHz    |
| Transmission current   | $\leq$ 1000mA   |

### Receiver Part

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|                                |                           |
|--------------------------------|---------------------------|
| Receive Sensitivity            | 0.25 $\mu$ V (12dB SINAD) |
| Adjacent Channel Selectivity   | $\geq$ 55dB@12.5KHz       |
| Inter Modulation and Rejection | $\geq$ 55dB@12.5KHz       |
| Conducted Spurious Emission    | $\leq$ -57dB@12.5KHz      |
| Rated Audio Power Output       | 0.75W @8 ohms             |
| Receive current                | $\leq$ 380mA              |
| Rated Audio Distortion         | $\leq$ 5%                 |

**NOTE: All specifications may be modified without prior notice or liability.**

## 10. Appendix B. – FRS Frequency Chart (MHz)

| CH.No | CH.Freq. | Power Output |
|-------|----------|--------------|
| 1     | 462.5625 | High         |
| 2     | 462.5875 | High         |
| 3     | 462.6125 | High         |
| 4     | 462.6375 | High         |
| 5     | 462.6625 | High         |
| 6     | 462.6875 | High         |
| 7     | 462.7125 | High         |
| 8     | 467.5625 | Low          |
| 9     | 467.5875 | Low          |
| 10    | 467.6125 | Low          |
| 11    | 467.6375 | Low          |
| 12    | 467.6625 | Low          |
| 13    | 467.6875 | Low          |
| 14    | 467.7125 | Low          |
| 15    | 462.5500 | High         |
| 16    | 462.5750 | High         |

## 11. Appendix C. – Trouble shooting guide

| Phenomena                                                        | Solution                                                                                       |
|------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| You cannot turn on the radio                                     | Check if the walkie-talkie is out of power and needs to be charged                             |
|                                                                  | If it is broken or twisted, please return your radio to your authorized dealer for maintenance |
| During receiving, the voice is weak or intermittent              | Increase the volume                                                                            |
|                                                                  | Clean the surface of the speaker                                                               |
| You hear unknown voices or noise                                 | Check if the channels connected to each other are the same                                     |
| You are unable to hear anyone because of too much noise and hiss | Move towards other members                                                                     |
|                                                                  | Move to an open and flat area, restart the radio, and try again                                |
|                                                                  | Stay away from equipment that may cause interference                                           |

## 12. FCC Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 95 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential, installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

This device complies with part 95 of the FCC rules. Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must

accept any interference received, including interference that may cause undesired operation

#### ISED Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

The digital apparatus complies with Canadian CAN ICES-3(B)/NMB-3(B).

Cet appareil contient des émetteurs/récepteurs exempts de licence qui sont conformes aux RSS exemptés de licence d'Innovation, Sciences et Développement économique Canada. L'exploitation est soumise aux deux conditions suivantes :

- (1) Cet appareil ne doit pas provoquer d'interférences.
- (2) Cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.

L'appareil numérique du CIEM conforme canadien peut ICES-3 (b) / NMB-3 (b).

This device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS 102 RF exposure, users can obtain Canadian information on RF exposure and compliance. Cet appareil est conforme à l'exemption des limites d'évaluation courante dans la section 2.5 du CNR - 102 et conformité avec RSS 102 de l'exposition aux RF, les utilisateurs peuvent obtenir des données canadiennes sur l'exposition aux champs RF et la conformité. This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. Cet équipement est conforme aux limites d'exposition aux rayonnements du Canada établies pour un environnement non contrôlé.

Specific Absorption Rate (SAR) information:

This device meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health. ISED/FCC RF Exposure Information and Statement the SAR limit of ISED/FCC is 1.6 W/kg averaged over one gram of tissue. Device types: walkie-talkie has also been tested against this SAR limit. This device was tested for typical body-worn operations with the back of this device kept 0mm body-worn Side and 25mm Front of face Side. To maintain compliance with ISED/FCC RF exposure requirements, use accessories that maintain 0mm body-worn Side and 25mm Front of face Side separation distance between the user's body and the back of walkie-talkie. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with ISED/FCC RF exposure requirements, and should be avoided.

Informations sur le débit d'absorption spécifique (DAS): Ce dispositif répond aux exigences du gouvernement en matière d'exposition aux ondes radio. Les lignes directrices sont basées sur des normes élaborées par des organisations scientifiques indépendantes à travers une évaluation périodique et approfondie des études scientifiques. Les normes comprennent une marge de sécurité substantielle conçue pour assurer la sécurité de toutes les personnes, quel que soit

leur âge ou leur état de santé. Information et déclaration d'ISDE sur l'exposition aux RF la limite DAS du Canada (ISDE) est de 1,6 W / kg en moyenne sur un gramme de tissu. Types d'appareils: la tablette a également été testée par rapport à cette limite SAR. Cet appareil a été testé pour des opérations typiques portées sur le corps avec le dos de la Ce dispositif gardé à 0mm sur le côté du corps et 25mm devant le côté du visage du corps. Pour maintenir la conformité avec les exigences d'exposition RF d'ISDE, utilisez de s accessoires qui maintiennent une distance de séparation de 0mm sur le côté du corps et 25mm devant le côté du visage entre le corps de l'utilisateur et l'arrière de la tablette. L'utilisation de clips de ceinture, d'étuis et d'accessoires similaires ne doit pas contenir de composants métalliques dans son assemblage. L'utilisation d'accessoires qui ne satisfont pas à ces exigences peut ne pas être conforme aux exigences d'exposition aux RF d'ISDE et doit être évitée.

#### RF Exposure Information

·DO NOT operate the radio without a proper antenna attached, as this may damage the radio and may also cause you to exceed RF exposure limits. A proper antenna is the antenna supplied with this radio by the manufacturer or an antenna specifically authorized by the manufacturer for use with this radio, and the antenna gain shall not exceed the specified gain by the manufacturer declared.

- DO NOT transmit for more than 50% of total radio use time, more than 50% of the time can cause RF exposure compliance requirements to be exceeded.
- During transmissions, your radio generates RF energy that can possibly cause interference with other devices or systems. To avoid such interference, turn off the radio in areas where signs are posted to do so.
- DO NOT operate the transmitter in areas that are sensitive to electromagnetic radiation such as hospitals, aircraft, and blasting sites.
- Portable Device, this transmitter may operate with the antenna(s) documented in this filing in Push-to-Talk and body-worn configurations. RF exposure compliance is limited to the specific belt-clip and accessory configurations as documented in this filing and the separation distance between user and the device or its antenna shall be at least 2.5 cm.
- General population/uncontrolled Radio, this radio is designed for and classified as "General population/uncontrolled Use".

### **Operating Instructions:**

- Transmit no more than the rated duty factor of 50% of the time. To Transmit (Talk), push the Push to Talk (PTT) button. To receive calls(listen), release the PTT button. Transmitting 50% of the time, or less, is important because the radio generates measurable RF energy exposure only when transmitting in terms of measuring for standards compliance.
- When operating in front of the face, worn on the body, always place the radio in a Retevis approved clip, holder, holster, case, or body harness for this product. Using approved body-worn accessories is important because the use of Non-Retevis approved accessories may result in exposure levels, which exceed the IEEE/ ICNIRP RF exposure limits.

### **Informations sur l'exposition aux RF**

- . Ne pas actionner la radio sans une antenne appropriée, car cela peut endommager la radio Et peut aussi vous amener à dépasser les limites d'exposition aux RF. Une antenne appropriée est l'antenne fournie avec cette radio par le fabricant ou une antenne spécifiquement autorisée par le fabricant pour être utilisée avec cette radio, et le gain d'antenne ne doit pas dépasser le gain spécifié par le fabricant déclaré.
- . Ne pas émettre plus de 50% du temps total d'utilisation de la radio, plus de 50% du temps peut entraîner un dépassement des exigences de conformité à l'exposition aux RF.
- . Pendant les transmissions, votre radio génère de l'énergie RF qui peut éventuellement causer des interférences avec d'autres appareils ou systèmes. Pour éviter de telles interférences, éteignez la radio dans les zones où des panneaux sont installés à cet effet.
- . Ne pas faire fonctionner l'émetteur dans des zones sensibles au rayonnement électromagnétique comme: Hôpitaux, aéronefs et sites de dynamitage.
- . Appareil Portable, cet émetteur peut fonctionner avec la ou les antennes documentées dans ce dépôt dans des configurations Push-to-Talk et body portés. La conformité à l'exposition aux RF est limitée aux configurations spécifiques des attaches de courroie et des accessoires documentées dans ce dossier et la distance de séparation entre l'utilisateur et l'appareil ou son antenne doit être d'au moins 2,5 cm.
- . Population générale/Radio non contrôlée, cette Radio est conçue pour et classée comme «générale Population/utilisation non contrôlée"

### **Mode d'emploi:**

. Ne pas transmettre plus que le facteur de service nominal de 50% du temps. Pour transmettre (Talk), appuyez sur le bouton push to Talk (PTT). Pour recevoir des appels (écouter), relâchez le bouton PTT. Transmettre 50% du temps, ou moins, est important parce que la radio génère des Exposition à l'énergie RF uniquement lors de la transmission en termes de mesure pour la conformité aux normes.

. Lorsque vous travaillez devant le visage, porté sur le corps, placez toujours la radio dans un clip, support, étui, étui ou harnais approuvé Retevis pour ce produit. L'utilisation d'accessoires corporels approuvés est importante parce que l'utilisation d'accessoires non approuvés par Retevis peut entraîner des niveaux d'exposition dépassant les limites d'exposition aux RF de l'IEEE /ICNIRP.

## **FCC Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- . Reorient or relocate the receiving antenna.
- . Increase the separation between the equipment and receiver.
- . Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- . Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

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