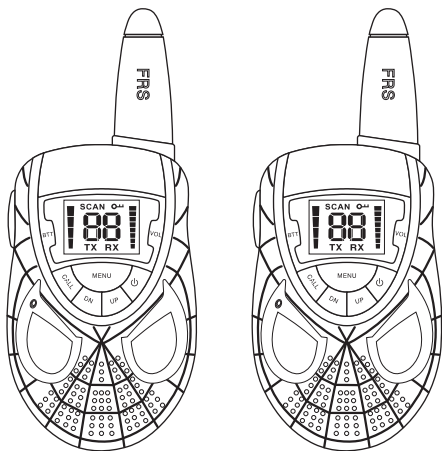


# THE AMAZING SPIDER-MAN®

## SPIDER-MAN 2-WAY FRS COMMUNICATORS OWNER'S MANUAL



PLEASE READ BEFORE OPERATING THIS EQUIPMENT.

**Model: KSS9104**

# SAFETY PRECAUTIONS

## **Safety and General Information**

### **Exposure to Radio Frequency Energy**

Your radio is designed to comply with the following national and international standards and guidelines regarding exposure of human beings to radio frequency electromagnetic energy:

- United States Federal Communications Commission, Code of Federal Regulations; 47 CFR part 2 sub-part J
- American National Standards Institute (ANSI)/Institute of Electrical and Electronic Engineers (IEEE) C95.1-1992
- Institute of Electrical and Electronic Engineers (IEEE) C95.1-1999 Edition Safety and General Information 4
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1998
- Ministry of Health (Canada) Safety Code 6. Limits of Human Exposure to Radio Frequency Electromagnetic Fields in the Frequency Range from 3 kHz to 300GHz, 1999
- Australian Communications Authority Radiocommunications (Electromagnetic Radiation–Human Exposure) Standard 2001 (applicable to wireless phones only)
- ANATEL, Brazil Regulatory Authority, Resolution 256 (April 11, 2002) “additional requirements for SMR, cellular, and PCS product certification.”

To assure optimal radio performance and make sure human exposure to radio frequency electromagnetic energy is within the guidelines set forth in the above standards, always adhere to the following procedures.

## **Portable Radio Operation and EME Exposure**

### **Antenna Care**

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications or attachments could damage the radio and may violate FCC regulations.

DO NOT hold the antenna when the radio is “IN USE.” Holding the antenna affects the effective range.

## **Two-Way Radio Operation**

When using your radio as a traditional two-way radio, hold the radio in a vertical position with the microphone 2 to 3 inches away from the lips.

# SAFETY PRECAUTIONS

## **Electromagnetic Interference/Compatibility**

**NOTE:** Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed or otherwise configured for electromagnetic compatibility.

## **Facilities**

To avoid electromagnetic interference and/or compatibility conflicts, turn off your radio in any facility where posted notices instruct you to do so. Hospitals or health care facilities may be using equipment that is sensitive to external RF energy.

## **Aircraft**

When instructed to do so, turn off your radio when on board an aircraft. Any use of a radio must be in accordance with applicable regulations per airline crew instructions.

## **Medical Devices**

### **Pacemakers**

The Advanced Medical Technology Association recommends that a minimum separation of 6 inches (15 centimeters) be maintained between a handheld wireless radio and a pacemaker. These recommendations are consistent with the independent research by, and recommendations of, the U.S. Food and Drug Administration.

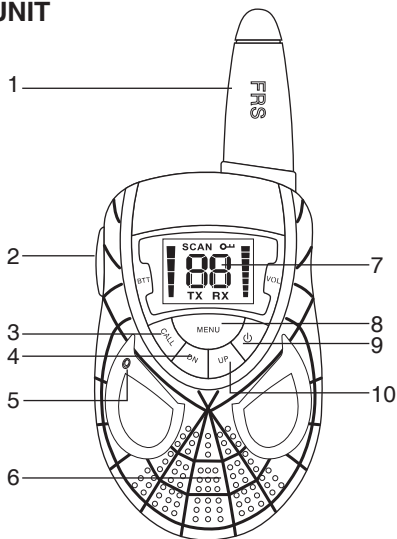
### **Persons with pacemakers should:**

- ALWAYS keep the radio more than six inches (15 centimeters) from their pacemaker when the radio is turned ON.
- not carry the radio in the breast pocket.
- use the ear opposite the pacemaker to minimize the potential for interference.
- turn the radio OFF immediately if you have any reason to suspect that interference is taking place.

**EXERCISE CAUTION AS UNIT HAS SHARP POINTS.**

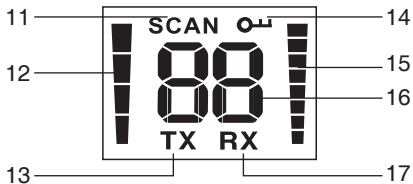
# LOCATION OF CONTROLS

## UNIT



1. Antenna
2. TALK Button
3. CALL Button
4. DOWN Button
5. Microphone
6. Speaker
7. Display
8. MENU Button
9. POWER Button
10. UP Button

## DISPLAY



11. Scan
12. Battery Level
13. Transmit
14. Lock
15. Volume Level
16. Channel Number
17. Receive

# INSTALLATION

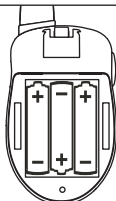
## REPLACING THE BATTERIES

1



Remove the screw, then lift off the battery cover.

2



Insert three (3) AAA batteries as shown by the polarity diagram in the compartment. Replace the battery cover.

### BATTERY PRECAUTIONS

Follow these precautions when using batteries in this device:

1. Use only the size and type of batteries specified.
2. Be sure to follow the correct polarity when installing the batteries as indicated in the battery compartment. Reversed batteries may cause damage to the device.
3. Do not mix different types of batteries together (e.g. Alkaline, rechargeable and Carbon-zinc) or old batteries with fresh ones.
4. If the device is not to be used for a long period of time, remove the batteries to prevent damage or injury from possible battery leakage.
5. Do not try to recharge batteries not intended to be recharged; they can overheat and rupture. (Follow battery manufacturer's directions.)
6. Do not try dispose of batteries in fire, batteries may explode or leak.

# OPERATION (CONTINUED)

## Transmitting range

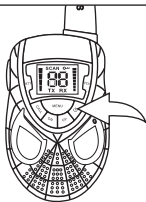
The talk range depends on the environment and terrain. It will be the greatest (up to about 2 miles) in wide open spaces, without obstructions such as hills or buildings. Don't try to use two radios which are less than 1.5m (5 feet) apart as you will get interference.

## Important Safety Warning

- To reduce radio frequency exposure when you're using this radio, hold the handset at least 5cm (2 inches) from your face.
- Never use the radio outdoors in a thunderstorm.
- Don't use the radio in the rain.
- If your radio gets wet, turn it off and remove the battery. Dry the battery compartment and leave the cover off for few hours. Don't use the radio until it is completely dry.
- Keep the radio out of the reach of babies and young children.

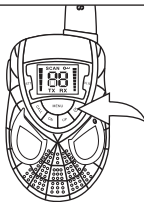
## TURNING THE RADIO ON OR OFF

1



To turn on, press and hold the **POWER** button until the channel display comes on.

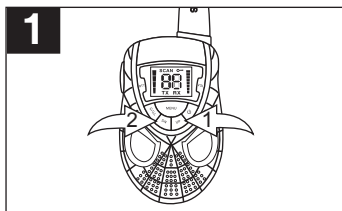
2



To turn off, press and hold the **POWER** button until the channel display turns off and a chime is heard.

# OPERATION (CONTINUED)

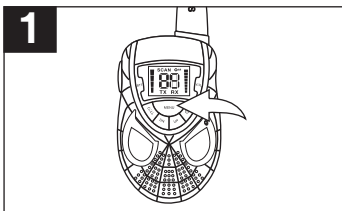
## ADJUSTING THE VOLUME



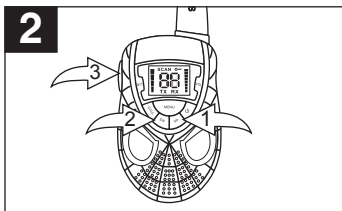
To adjust the loudspeaker volume, press the UP **1** or DOWN **2** button. The volume level is shown by the bars on the display. You can change the volume when using the radio or while it is idle.

## CHANGING THE CHANNELS

This radio has 22 channels, numbered 1 to 22. To communicate with other users within range, all radios must be tuned to the same channel.



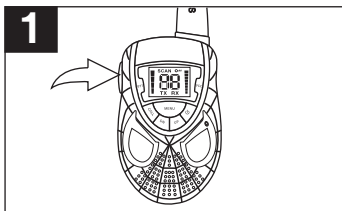
Press the MENU button; the current channel number will blink in the display.



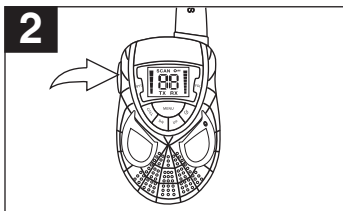
Press the UP **1** or DOWN **2** button to select the desired channel number. Press the TALK button **3** to confirm.

# OPERATION (CONTINUED)

## TRANSMITTING AND RECEIVING



To transmit, press and hold the TALK button; the Transmitting icon (TX) will appear in the display. Speak clearly in a normal tone of voice into the microphone.

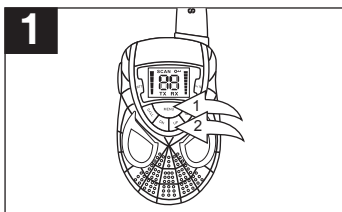


When finished, release the TALK button to receive transmissions. When receiving transmissions, the Receiving icon (RX) will appear in the display.

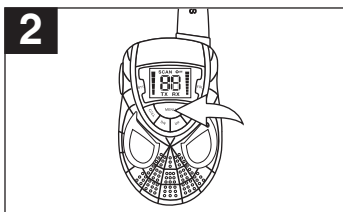
**NOTE:** When the TALK button is pressed, you can only transmit, not receive. To receive, release the TALK button.

## MONITORING THE CURRENT CHANNEL

Monitoring allows you to listen to all activity on a Channel to tell whether the Channel is currently in use.



To activate the monitoring feature, press the MENU ① and UP ② button at the same time. The radio will now monitor the selected station.



Press the MENU button to stop monitoring.

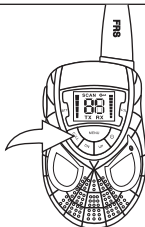


# OPERATION (CONTINUED)

## RING TONE

You can send ring tones to other handsets within range which are tuned to the same channel, to alert them you want to communicate with them.

1

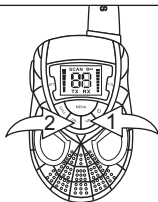


Press and release the CALL button to hear the ring tone for about two seconds while the transmitting icon (TX) and call icon appear in the display. Any other radios within range which are tuned to the same channel will hear the ring tone and may decide to transmit to you.

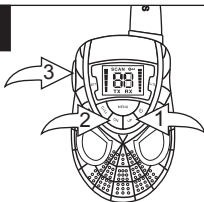
## SCANNING THROUGH THE CHANNELS

When the Scan function is tuned on, the handset will continuously scan through all eight channels. that is transmitting.

1



2



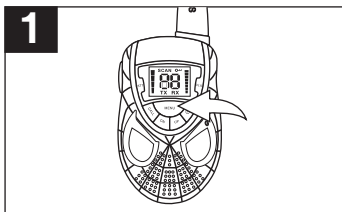
Press and hold UP ① or DOWN ② button, SCAN will appear in the display as it is scanning through the channels.

Press the UP ① or DOWN ② button to continue scanning the main channel. Press the TALK button ③ to stop the scanning and communicate.

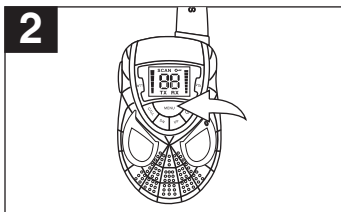
# OPERATION (CONTINUED)

## LOCKING THE BUTTONS

With the buttons locked, you can transmit (Talk), receive or monitor the current channel. But you can't change the volume or use the MENU button.



To lock the buttons, press and hold the MENU button until the key icon appears in the display.



To unlock the buttons, press and hold the MENU button until the key icon disappears from the display.

## Auxiliary Features

**LCD Screen Back Light:** Every time a button is pressed (except TALK and CALL buttons), the LCD Screen back light will illuminate for 4 seconds.

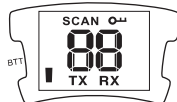
**Power Saving:** Your FRS unit has special circuitry designed to extend the life of your battery. When the unit is not used for 4 seconds, it will automatically switch into a low power mode. The Power Saving feature does not affect the FRS's ability to receive transmissions. When a signal is detected, it automatically returns to full power mode.

**Time Out Timer:** When you press and hold the TALK button for 3 minutes, it will automatically switch to the receiver mode. release the TALK button and press again to transmit your voice.

## OPERATION(CONTINUED)

**Battery Meter Indicator:** The FRS can detect the battery charge levels. The Battery icon will display the battery charge status as follows;

1



Battery charge at high level.

Battery charge at low level.

**NOTE:** When the battery level reaches its minimum level, the handset will emit two beep tones and automatically turn OFF the power.

## TROUBLESHOOTING GUIDE

| Problem                     | Possible Cause                                    | Possible Solution  |
|-----------------------------|---|--|
| No power                    | Batteries are low or not inserted correctly.      | Inserted fresh batteries correctly.  |
| Weak, noisy or no reception | Batteries are low or not inserted range.          | Inserted fresh batteries correctly.  |
|                             | Other users are not within range.                 | Move into range.   |
|                             | Volume is too low.                                | Raise volume.  |
|                             | Local conditions are impairing reception.         | Move to a different location away from obstructions and as high as possible. |
|                             | Other user is too close.                          | Move further away.   |
|                             | Interference from other user on the same channel. | Use a different channel  |
| Cannot change channels.     | Radio is locked.                                  | Unlock radio buttons.  |

## SPECIFICATIONS

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---------|-----------------|---------|-----------------|
| 1       | 462.5625        | 12      | 467.6625        |
| 2       | 462.5875        | 13      | 467.6875        |
| 3       | 462.6125        | 14      | 467.7125        |
| 4       | 462.6375        | 15      | 462.5500        |
| 5       | 462.6625        | 16      | 462.5750        |
| 6       | 462.6875        | 17      | 462.6000        |
| 7       | 462.7125        | 18      | 462.6250        |
| 8       | 467.5625        | 19      | 462.6500        |
| 9       | 467.5875        | 20      | 462.6750        |
| 10      | 467.6125        | 21      | 462.7000        |
| 11      | 467.6375        | 22      | 462.7250        |



# CAUTIONS

## **GMRS LICENSE**

USE OF THIS RADIO WITHIN THE UNITED STATES REQUIRES AN FCC GMRS LICENSE . AN INDIVIDUAL 18 YEARS OF AGE OR OLDER , WHO IS NOT A REPRESENTATIVE OF A FOREIGN GOVERNMENT , IS ELIGIBLE TO APPLY FOR A GMRS SYSTEM LICENSE . YOU WILL NEED TWO FORMS FROM THE FCC; FCC FORM 159 AND FCC FORM 605 MAIN FORM AND SCHEDULE F. YOU CAN FIND THE FORMS ONLINE AT: [HTTP// WWW.FCC.GOV/FORMPAGE.HTWL](http://www.fcc.gov/formpage.html) ,OR CALL 1-800-418-3676.

MODIFICATIONS OR CHANGES NOT EXPRESSLY APPROVED BY KIDS STATION COULD VOID THE USER`S AUTHORITY TO OPERATE THE EQUIPMENT.

# FCC Warnings

**ADJUSTMENT: REPLACEMENT** or substitution of transistors, regular diodes or other parts of a unique nature, with parts other than those recommended by Kids station, may cause a violation of the technical regulations of part 95 of the FCC Rules, or violation of Type Acceptance requirements of Part 2 of the Rules.

**NOTE:** 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.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following condition: this device must accept any interference received, including interference that may cause undesired operation.

## LIMITED WARRANTY

Kids Station warrants this product to be free from manufacturing defects in material and workmanship under normal use for a period of 90 days from date of purchase. If service is required, please return the product to the store where it was purchased for exchange; or, pack the unit in the original packing material with all accessories if applicable, a copy of your sales receipt and a Cashier's check or Money Order for \$12.00 (to cover shipping and handling costs) payable to Kids Station Toys International Ltd. Ship your product freight pre-paid. Your unit will be repaired, replaced or a refund will be forwarded to you within four weeks of receipt of your unit. Please ship your unit to:

Kids Station Toys International Ltd.  
P.O. Box 694660  
Miami, Florida 33269-4660

This warranty is void if the product has been: a) Used in a commercial application or rental. b) Damaged through misuse, negligence, or abuse. c) Modified or repaired by anyone other than an authorized Kids Station service center. d) Damaged because it is improperly connected to any other equipment.

Note: This warranty does not cover: a) Ordinary adjustments as outlined in the Owner's Manual which can be performed by the customer. b) Damage to equipment not properly connected to the product. c) Any cost incurred in shipping the product for repair. d) Damage to the product not used in the USA.

This warranty is not transferable and only applies to the original purchase. Any implied warranties, including the warranty of merchantability, are limited in duration to the period of this expressed warranty and no warranty whether expressed or implied shall apply to the product thereafter.

Under no circumstance shall Kids Station be liable for any loss or consequential damage arising out of the use of this product. This warranty gives specific legal rights. However, you may have other rights which may vary from state to state. Some states do not allow limitations on implied warranties or exclusion of consequential damage. Therefore, these restrictions may not apply to you.

**TO OBTAIN SERVICE ON YOUR PRODUCT,  
PLEASE CALL: 1-888-321-7191**

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