BATMAN™

Two-Way FRS/GMRS Micro-Wristband Communicators with Neckband and Belt Clip

OWNER'S MANUAL

PLEASE READ BEFORE OPERATING THIS EQUIPMENT.

Model: KSM6010

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.

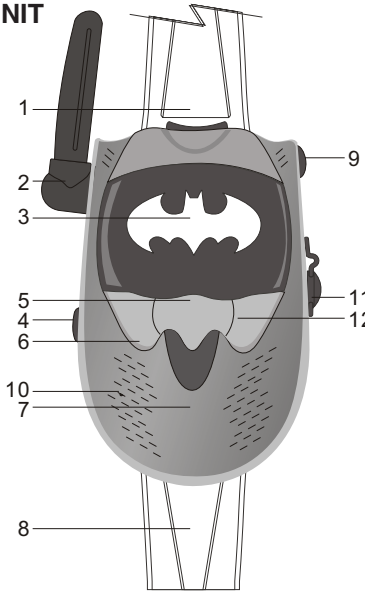
WARNING

USE UNDER SUPERVISION OF AN ADULT DUE TO LONG CORD.

This unit has a long AC cord or other long cord that can easily be tripped on or pulled on, causing injury. Please make sure it is arranged so it will not drape over a tabletop, etc. where it can be pulled on by children or tripped over accidentally.

LOCATION OF CONTROLS

UNIT



1. MENU Button
2. Antenna
3. Display
4. POWER Button
5. TALK Button
6. UP Button
7. Speaker
8. Wrist Strap
9. CALL Button
10. Microphone
11. Handsfree Jack
12. DOWN Button

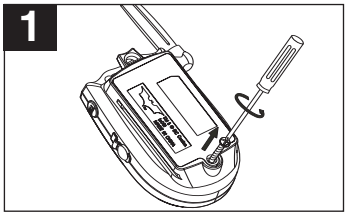
DISPLAY

13. Channel Number
14. DM (Dual Watch)
15. VX (Voice Activated)
16. SC (Scan All)
17. Lock
18. Battery Level
19. TX (Transmit)
20. RX (Receive)
21. Volume Level
22. Call Tone
23. Timer
24. Subchannel Number

INSTALLATION

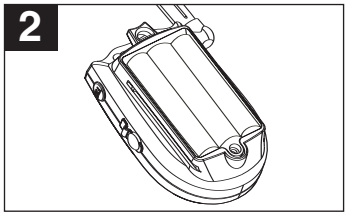
REPLACING THE BATTERIES

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

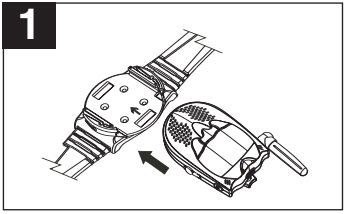
Follow these precautions when using batteries in this device:

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.)

INSTALLATION (CONTINUED)

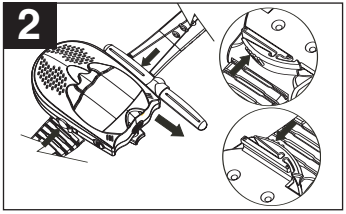
USING THE WRIST STRAP

1



Insert the unit onto the belt base and slide until it locks into the base.

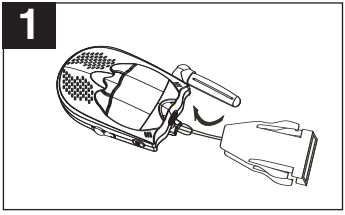
2



To remove the unit from the Belt base, press both latches to unlock the unit from the base and slide it out.

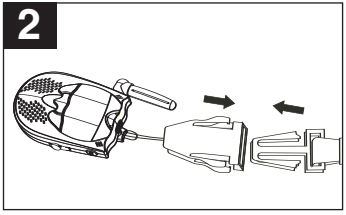
USING THE NECK STRAP

1



Press the latch and remove the string from the necklace. Insert the string into the neck strap hole and tie it.

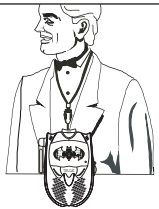
2



Connect the string part into the main strap.

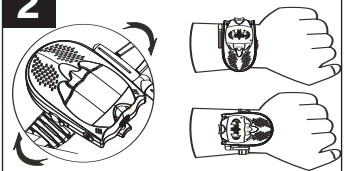
HOW TO WEAR

1



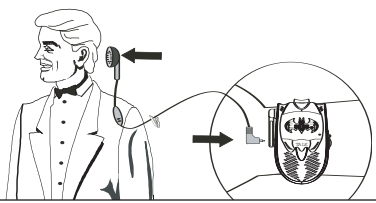
NECKLACE

2



WRISTWATCH
The watch can be rotated as desired.

3



HANDS-FREE (VOX)

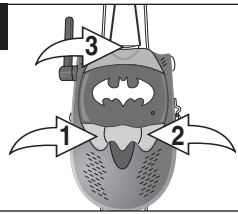
OPERATION

TO SET THE TIME (24 HOUR CLOCK)

1

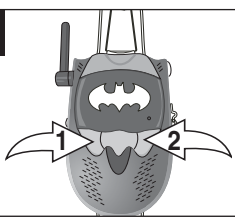
While in the Watch mode, press and hold the MENU button for three seconds; the hours will blink.

2



Press the UP ❶ or DOWN ❷ button to set the present hour, then press the MENU button ❸ again; the minutes will blink.

3



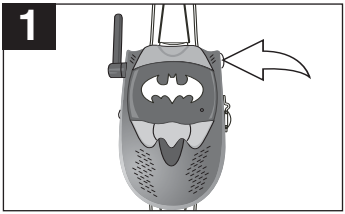
Press the UP ❶ or DOWN ❷ button to set the present minute.

4

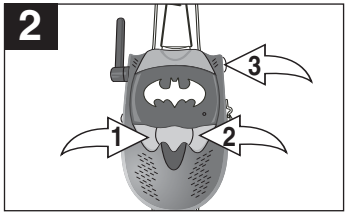
Press and hold the MENU button for three seconds to confirm the time setting and exit the Time Setting mode.

NOTE: Once you remove the battery from the unit, the clock will reset to the default time 12:00 and will need to be set again.

USING THE STOP WATCH



While in the Watch mode, press and hold the CALL button for three seconds; the stop watch will appear in the display.



Press the UP button ❶ to start the counting. Press the UP button ❶ again to stop the counting. Press the DOWN button ❷ to reset the timer to 0. Press and hold the CALL button ❸ for three seconds to exit the Stop Watch mode.

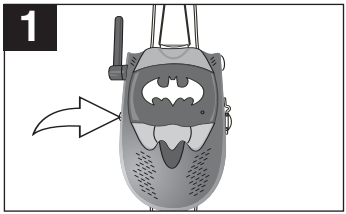
Transmitting range

The talk range depends on the environment and terrain. It will be the greatest (up to about 3km or 1 3/4 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.

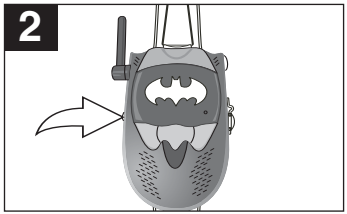
Important Safety Warning

- If you are using a head set, to protect your hearing, do not turn the volume to the highest level .
- 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

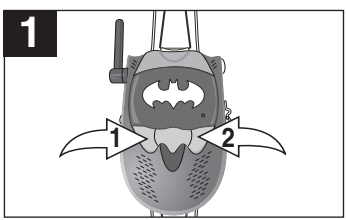


To turn on, press and hold the POWER button until the channel display comes on. Raise the antenna.



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

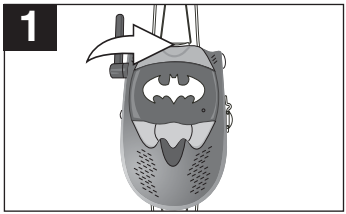
ADJUSTING THE VOLUME



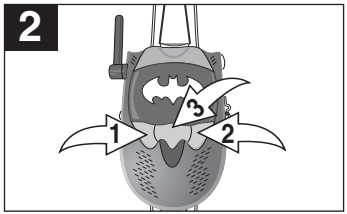
To adjust the loudspeaker volume, press the UP ❶ or DOWN ❷ button. The volume level is shown by the bars on the display. You can change the volume when using the radio or while it is idle.

CHANGING THE CHANNELS/SUBCHANNELS

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.

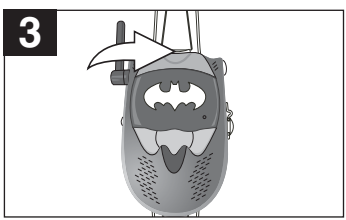


Press the MENU button; the current channel number will blink in the display.

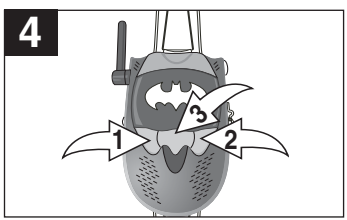


Press the UP ❶ or DOWN ❷ button to select the desired channel number. Press the TALK button ❸ to confirm.

Each channel also has 38 sub-channels (CTCSS codes) which allow you to setup a group of users within the same channel for more privacy. All radios must be set to the same subchannel.



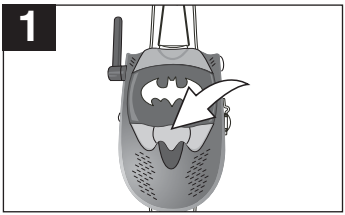
Press the MENU button twice; the current sub-channel number will blink in the display.



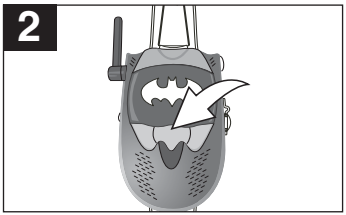
Press the UP ❶ or DOWN ❷ button to select the desired sub-channel number. Press the TALK button ❸ to confirm.

NOTE: To turn off sub-channel, simply set it to 0.

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.

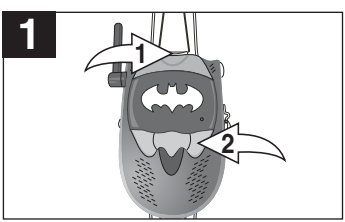


When finished, release the TALK button to receive transmissions. When receiving transmissions, the Receiving icon (RX) will appear in the display.

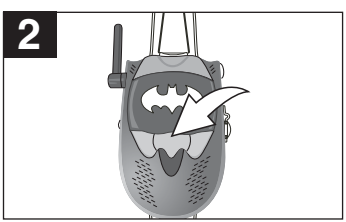
NOTE: When the TALK button is pressed, you can only transmit, not receive. To receive, release the TALK button.

MONITORING THE CURRENT CHANNEL

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



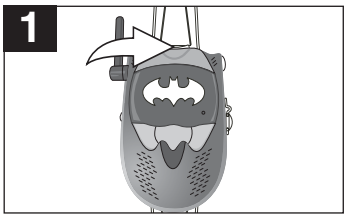
To activate the monitoring feature, press the MENU ❶ and DOWN ❷ button at the same time. The radio will now monitor the selected station.



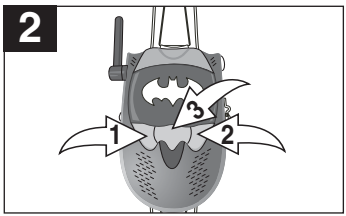
Press the TALK button to stop monitoring.

VOX (Voice Activated Transmission)

In VOX mode the radio will transmit whenever it detects your voice (or other noise) without the TALK button pressed. It will transmit for 2 seconds even if you stop talking. The level of VOX sensitivity is shown by numbers in the display. At the highest level (level 3), the handset will pickup softer noise (including background noise). At the lowest level, it will pick up only loud noises.



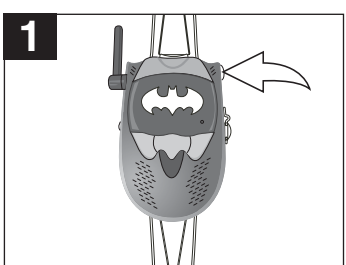
Press the MENU button three times; the VOX icon will blink in the display.



Press the UP ❶ or DOWN ❷ button to select the desired sensitivity. Select OFF to turn VOX off. Press the TALK button ❸ to confirm.

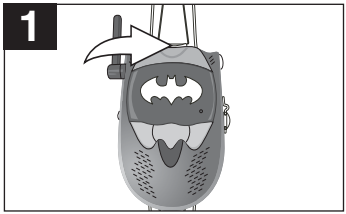
RING TONE

You can send ring tones to other handsets within range which are tuned to the same channel, (and sub-channel if applicable), to alert them you want to communicate with them.

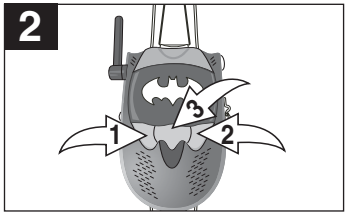


Press and release the CALL button to hear the ring tone for about two seconds while the transmitting icon (TX) and call icon appear in the display. Any other radios within range which are tuned to the same channel will hear the ring tone and may decide to transmit to you.

SETTING THE RING TONE



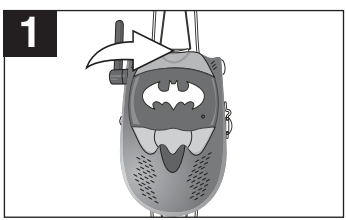
Press the MENU button four times, the unit will enter Ring Setting mode and CA will blink in the display.



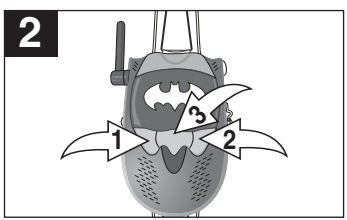
Press the UP ❶ or DOWN ❷ button to select one of the five ring tones. Press the TALK button ❸ to confirm.

TURNING THE RING TONE OFF

If you don't want to hear the ring tone, you can set the Ring mode to OFF. When off, you can send the ring tone to other radios but your radio will not ring when others send a ring tone.



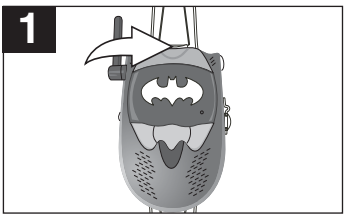
Press the MENU button four times, the unit will enter Ring Setting mode and CA will blink in the display.



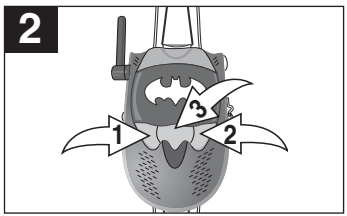
Press the UP ❶ or DOWN ❷ button until OFF appears in the display. Press the TALK button ❸ to confirm.

ROGER BEEP

The Roger Beep is a tone which is automatically transmitted whenever the TALK button is released. This lets the other radios know that you have finished transmitting and you are now in Receive mode.



Press the MENU button five times, “rO” will appear in the display.

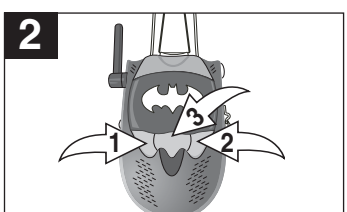


Press the UP ❶ or DOWN ❷ button to turn Roger Beep On or Off. Press the TALK button ❸ to confirm.

KEY TONE

When Key Tone setting is set to On, the unit will emit a confirmation tone whenever buttons are pressed.

Press the MENU button six times, “tO” will blink in the display.



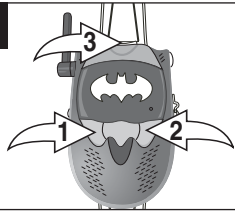
Press the UP ❶ or DOWN ❷ button to turn Key Tone On or Off. Press the TALK button ❸ to confirm.

MONITORING TWO CHANNELS AT ONCE (DUAL WATCH)

1

Press the MENU button seven times, “DCM” will appear and the setting will blink in the display.

2



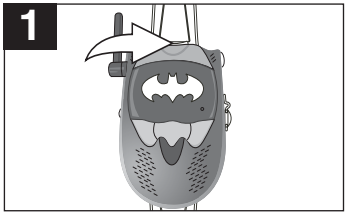
Press the UP ❶ or DOWN ❷ button to select the channel. Press the MENU button ❸ again, then the UP ❶ or DOWN ❷ button to select the sub-channel (CTCSS).

3

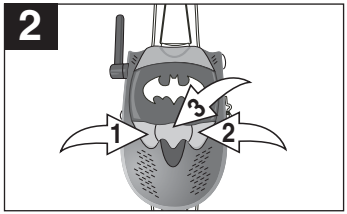
Press the TALK button to confirm.

NOTE:
The display switches backwards and forwards between the two channels. If the radio detects a signal on either channel, it will stop and receive it. As long as the unit is in Dual Watch mode, DCM is shown steadily on the display.

TURNING OFF DUAL WATCH MODE



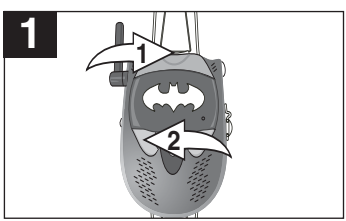
Press the MENU button seven times, “DCM” will appear and the setting will blink in the display.



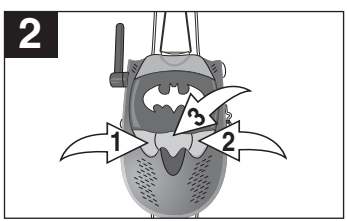
Press the UP ❶ or DOWN ❷ button to turn Dual Watch mode Off. Press the TALK button ❸ to confirm.

SCANNING THROUGH THE CHANNELS

When the Scan function is tuned on, the handset will continuously scan through all 22 channels and all 38 sub-channels until it finds one that is transmitting.



Press MENU ❶ and UP ❷ button at the same time; SCAN will appear in the display as it is scanning through the channels and sub-channels.



Press the UP ❶ button to continue scanning the main channel. Press the DOWN ❷ button to scan sub-channels. Press the TALK button ❸ to stop the scanning and communicate.

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.

1

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

2

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

USING THE HANDS FREE HEADSET

You can plug a hands-free kit into the Handsfree jack on the right side of the radio. With the hands-free kit, you may wish to transmit in VOX mode, but if you find that this doesn't work very well, you can turn the VOX sensitivity off and press the TALK button to transmit as normal.

TROUBLESHOOTING GUIDE

Problem	Possible cause ☞ solution
No power	▪ Battery is low or not fitted correctly ☞ check; ▪ Two way radio watch is not switched on ☞ check
weak reception/ no reception/ noisy reception	▪ Battery is low or not fitted correctly ▪ Other user is not within range ☞ check ▪ Two way radio watch are not tuned to the same channel ☞ check ▪ Noisy reception is more likely when using high numbered sub-channels ☞ try using a lower-numbered sub-channel,agreeing it with the rest of your group first ▪ Volume level is too low ☞ increase the volume ▪ ☞ Speak in a normal voice,5-8cm(2-3 inches) away from the microphone ▪ Local conditions are impairing reception ☞ move to a different location. away from obstructions and as high as possible ▪ Other user is not transmitting ☞ check ▪ Other user is too close ☞ check ▪ There's interference from other users on the same channel ☞ agree to use a different channel
Cannot change channels	▪ Two way radio watch is locked ☞ check ▪ Battery is low or not fitted correctly
In VOX mode, the handset transmits all the time	▪ Background noise is high ☞ move to a quieter place ▪ VOX sensitivity is too high ☞ set it to a lower level
In VOX mode, the handset doesn't transmit	▪ VOX sensitivity is too low ☞ set it to a higher level ▪ ☞ Speak in a louder voice, nearer to the microphone

SPECIFICATIONS

FRS/GMRS Channel Frequencies

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

Interference Elimination Codes (CTCSS - Continuous Tone Coded Squelch System)

Code	Hz	Code	Hz	Code	Hz	Code	Hz
1	67.0	2	71.9	3	74.4	4	77.0
5	79.7	6	82.5	7	85.4	8	88.5
9	91.5	10	94.8	11	97.4	12	100.0
13	103.5	14	107.2	15	110.9	16	114.8
17	118.8	18	123.0	19	127.3	20	131.8
21	136.5	22	141.3	23	146.2	24	151.4
25	156.7	26	162.2	27	167.9	28	173.8
29	179.9	30	186.2	31	192.8	32	203.5
33	210.7	34	218.1	35	225.7	36	233.6
37	241.8	38	250.3				

Cleaning the Unit

- To prevent fire or shock hazard, disconnect your unit from the AC power source when cleaning.
- The finish on your unit may be cleaned with a dust cloth and cared for as other furniture. Use caution when cleaning and wiping the plastic parts.
- Mild soap and a damp cloth may be used on the front panel.

⚠ 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 ,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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