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IMPORTANT SERVICE INFORMATION

Read this Owner's manual before attempting to set up or use this instrument it contains important information regarding safe installing and use. Keep this manual for future reference.
Also save the carton packing and proof of purchase to simplify and accelerate any needed action.

SAVE THESE INSTRUCTIONS

What's included with Your TK-14

- Two TK-14 Two-Way Radio with Antenna,
- User-Removable Belt Clips
- User's Manual

FCC NOTICE

The FCC requires that you be advised of certain requirements involving the use of this device. 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 uses and can generate radio frequency energy. If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no guarantee that the interference will not occur in a particular or television reception (which can be determined by tuning the equipment off and on), the user is encouraged 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 to an outlet on a circuit different from that to which the receiver is connected.
- Consult the manufacturer for technical assistance.

FCC INFORMATION: 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. Privacy of communications may not be ensured when using this equipment.~~

FCC WARNING: This equipment generates or uses audio frequency energy. Changes or modifications not expressly approved in writing may cause harmful interference and void the user's authority to operate this equipment.

FRS PRODUCT DESCRIPTION

Family Radio Service (FRS) is the newest generation in personal two-way communications. FRS radios operate in a license-free radio band (no FCC license is needed for FRS operation), on any of the 14 license-free channels.

The TK-14 is a lightweight compact two-way radio that can be used up to about two miles with family or friends at parks, shopping malls, sporting events, connects any indoor or outdoor activity.

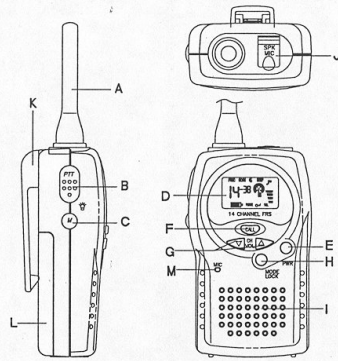
The TK-14 is compatible with other two-way radios using the FRS frequency band (operating in the frequency range from 462.5625 MHz to 467.7125 MHz).

The TK-14 is a 14-channels 38 CTCSS/ SCAN/ UHF two-way radio, featuring a multi-functional LCD panel (which indicates the current channel and various radio status icons). Other features also include electronic volume control and battery save circuitry.

Please read this user's manual thoroughly to get the most out of your TK-14 two-way radio.

Note: The maximum transmission range will vary depending on terrain and environment. Range will be greater in open fields, while the range is shorter within and around buildings or large structures.

FUNCTION AND LOCATION OF THE CONTROLS



- A. Fixed Antenna
- B. PTT Button- speak into the microphone when the TX indicator lights. When you finish speaking release PTT.
- C. Monitor / Back light Button- checks activity on the channel, and permits the radio to monitor weak signals.
- D. LCD Panel- a multifunction display which indicates channel and other radio status/ icon.
- E. Power Button- Push the power button turn ON/OFF
- F. Call Button- to have on sound on all radios tuned to the channel your radio.

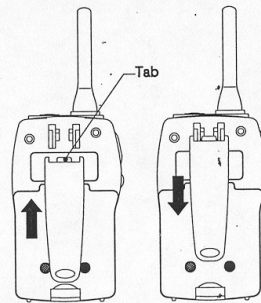
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FUNCTION AND LOCATION OF THE CONTROLS

- G. Up/Down Button- used for adjusting the volume level and changing the channel.
- H. MODE / Lock Button- allows you to change channel and to enable CTCSS/SCAN
- I. Speaker
- J. Speaker/ Microphone jack
- K. Belt Clip- use to secure the radio to a belt, or another.
- L. Battery Compartment- houses 4 AAA size battery.
- M. MIC

THE BELT CLIP

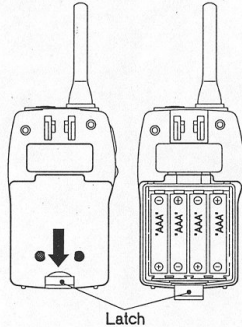
To remove the belt clip, pull the tab and slide the belt clip down.
To reattach the belt clip, slide it up until locks into place.



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BATTERY INSTALLATION

1. Release the battery cover latch locate on the side of the unit
2. Lift up the battery cover from the battery compartment.
3. Install four(4) "AAA" alkaline batteries (not included) following the polarity.
4. Reinstall the battery cover.
5. Lock the battery cover latch into position.



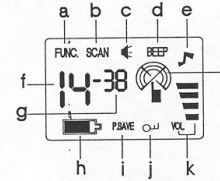
Notes:

- The TK-14 has built-in power saver for maximum battery life. But when the TK-14 is not being used, conserve battery power by pressing the power button OFF.
- Remove the batteries if the unit will not used for a long period of time.

OPERATION

LCD Display

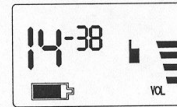
- a. Function mode indicator
- b. Scan mode indicator
- c. Speaker indicator (indicate Speaker ON)
- d. Key stroke tone indicator
- e. Talk Confirmation Tone
- f. Main Channel indicator
- g. 38 CTCSS Subchannels indicator
- h. Battery capacity level indicator
- i. Power Save Mode indicator
- j. Lock indicator
- k. Volume indicator
- l. RX/TX indicator



Turning On Your FRS

Push and hold the PWR button

An audible "tone" will indicate the unit is on and then LCD will through a 2 seconds self-test and then go to operational mode.



• Operational Mode

Turning the radio OFF

Push and hold the power button again.

OPERATION

Adjusting the speaker volume

- Push the UP(▲) button to increase volume.
- Push the DOWN(▼) button to decrease volume.
- When adjusting the speaker volume, the number of icon bars will be increased or decreased accordingly.

Receiver a CALL (RX)- The radio is continuously in RECEIVING mode when the radio ON. When you receive a call on the current channel you are using the LCD panel will flash the receive symbol (see "LCD panel display" for details).

Transmitting a CALL (TX)

1. Push and hold the PTT button to transmit The LCD transmit symbol will flash (see "LCD panel display" for details).
2. While holding the PTT button, speaker in a normal voice about 2 to 3 inches away from the microphone.
3. Release the PTT button when you have finished transmitting.

Note: In order for other people to receive your transmission they must also be on the same channel you are currently using.

Power Save Mode

- After 6 seconds in standby Mode without RX signal Power Save Mode will be ON and Power Save icon flashes.
- If there is RX signal or a key stroke in Power Save Mode. Power Save Mode will be removed and the radio will return to operational mode.

OPERATION

Monitor / Back-lighting Button: You can use the MONITOR feature to listen in for weak signals in the current channel.

- Press and Hold the MONITOR button for at least one second for normal monitoring.
- Press the MONITOR button quickly to back-light the LCD Display.

Battery Level/LOW Battery Indication

- The LCD panel displays the battery power level according to the number of squares lit inside the battery symbol.
- When the battery level is low, the battery icon will flash to indicate that the batteries need to be replaced.

Sending Call Tone You can use Call tone to alert the other user or to identify yourself. You can also use Call Tones to signal the beginning or the end of a transmission.

- Press and Hold the Call button.
- Release the CALL button Your Call Tone will transmit.

FUNCTION MODE

1. Select Main Channel (1~14)

- a. Push and release the MODE button.
Main channel numbers will flash.
- b. Select main channel by pushing and releasing ▼ or ▲ buttons.
- c. When desired main channel is displayed push and release PTT button.
- d. If, after 5 seconds no selection is made, the unit will save the last changed channel and return to operational mode.
- e. To return to operational mode and not save your last setting, just push and release call button.

OPERATION

2. Select CTCSS Sub channel (00~38)

- Push and release the MODE button twice.
- Select CTCSS subchannel by pushing and releasing ▼ or ▲ buttons
- When desired code is displayed push and release PTT button.
- If, after 5 seconds no selection is made, the unit will save the last changed subchannel and return to operational mode.
- To return to operational mode and not save your last setting, just push and release call button.

3. Talk confirmation tone (ON/OFF)

Your listen will hear an audible tone when you release the PTT button. This alerts the other party that you are finished talking and it's O.K. for them to being talking.

- Push and release the MODE button to turn Roger Beep Tone icon flashes. (J)
- Push and release the up/down button to turn Roger Beep Tone ON/OFF
- Push and release the PTT button to save your selection and then radio will return to operational mode.
- Push and release the CALL button to cancel your selection and then radio to operational mode.

4. Beep Tone (ON / OFF)

You will hear an audio tone when any button is pushed (except PTT button). You can turn on or off by:

- Push and Release Up/Down button until Beep Tone icon flashes. (BEEP)
- Push and Release Up/Down button to turn beep Tone ON/OFF
- Push and Release the PTT button to save your selection and then, the radio will return to operational mode.

OPERATION

- Push and Release the call button to cancel your selection and then the radio will return to operational mode.

5. SCAN main channel

- Push and Release the function button until scan icon and 14 main channel flash.
- Push and Release Up/Down button and then the radio will being scanning the main channel.
The radio will continue to scan all main channels and stop, If an incoming transmission is detected.
- Push and hold PTT button and then talk.
- Push PTT or call button to stop scanning.

6. SCAN CTCSS Subchannels

- Push and Release the function button until scan Subchannel flashes.
- Push and Release Up/Down button and then, The radio will being scanning the Subchannel The radio will continue to scan all CTCSS Subchannels and stop, If an incoming transmission is detected.
- Push and Hold PTT button and then Talk.
- Push PTT or Call button to stop scanning.

SPECIFICATIONS

Channels Available	14 Channels / 38 CTCSS
Output Power (TX)	0.5W (FCC Maximum)
Battery Life	30 Hours (typical)
Range	About 2 Miles

FRS CHANNEL TABLE

Channel Number	Frequency (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

TROUBLE SHOOTING

SYMPTOM	SOLUTION
Does not turn on.	<ul style="list-style-type: none"> Check batteries ensure that the batteries are installed properly. The batteries may be weak Replace old batteries with four (4) new "AAA" alkaline batteries.
Reception is weak.	<ul style="list-style-type: none"> Push the up button to increase volume. The receiving signal may be weak and out of range in this happens, push the MONITOR button.
Cannot change Channels.	<ul style="list-style-type: none"> To change channels, push and hold the MODE button shortly first until the Channel digit flashes on the LCD panel. Push the UP or DOWN buttons to Change channels
Range is limited.	<ul style="list-style-type: none"> Batteries may be weak. Replace with new batteries in the battery level indicator is low. The maximum range will vary depending on terrain and environment. Open fields provide the maximum range, while building and other structures may limit the range significantly
Sound distortion problems	<ul style="list-style-type: none"> If you transmitting, speak in a normal tone of voice, 2 inches away from the microphone. If you are receiving, lower the volume control to a comfortable level