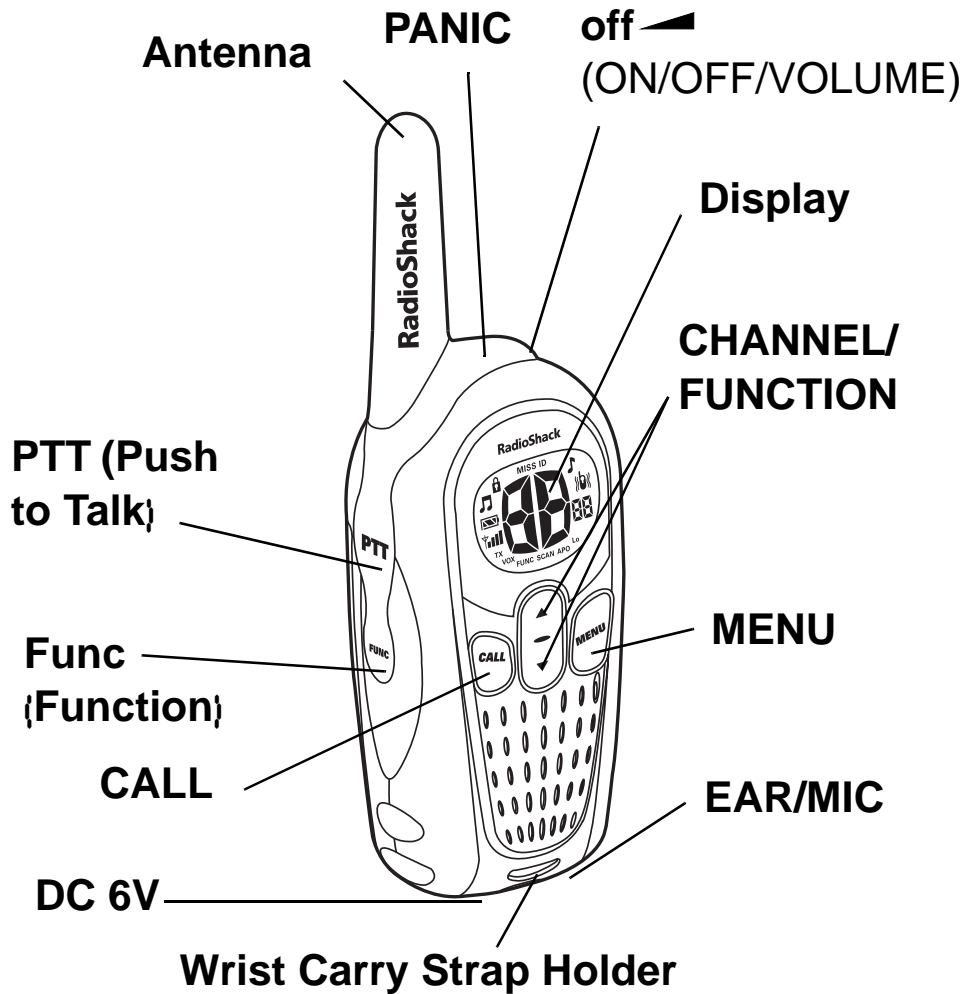


22 Ch GMRS/FRS Two-way Radio

OWNER'S MANUAL —
Please read before using this equipment.



CONTENTS

A Quick Look at the Display	7
Powering the Radio	8
Using Batteries	8
Recharging Ni-CD or Ni-MH Batteries	10
Operation	14
Turning the Radios On/Off and Adjusting the Volume	14
Transmitting	14
FRS Frequencies Chart	15
Selecting a Channel/Selecting Quiet Codes ...	16
Quiet Code Chart	18
Using Scan/Using Key Lock	19
Using Key Tone and Vibrate	20
Using VOX	21
Using APO	22
Using Hi/Lo Transmitter Power	23
Using Courtesy Tone	23
Using a Headset	24
Direct Call Operation	25
Setting Home ID	28
Setting Direct Call	29
Call Melody	30
Using Panic	32
Using the Swivel-Belt Clip	33
Using an Optional Wrist Strap	33
Care	34
Service and Repair	34
FCC Information	35
FCC License Required	35
The FCC Wants You to Know	38
Safety Information	39
Specifications	40
Optional Accessories	41

Thank you for purchasing a RadioShack 22 Ch GMRS/FRS Two-way Radio. It provides short-range voice radio communication to let families and groups keep in touch with each other on specific reserved channels.

The radio is a lightweight, palm-sized radio you can use to talk with another person in the communication range (up to 2 miles using an FRS frequency and up to 7 miles using a GMRS frequency) who has a GMRS/FRS radio set to the same frequency as yours.

Your radio has 22 channels and 38 different quiet codes, which you can use to talk with another person who has a GMRS or FRS radio set to the same frequency as your radio. Your radio also has auto-squelch, so you will not hear anything on a channel unless someone is transmitting nearby on the same channel.

You can connect an optional speaker/microphone and earphone to the radio (neither supplied but available at your local RadioShack store).

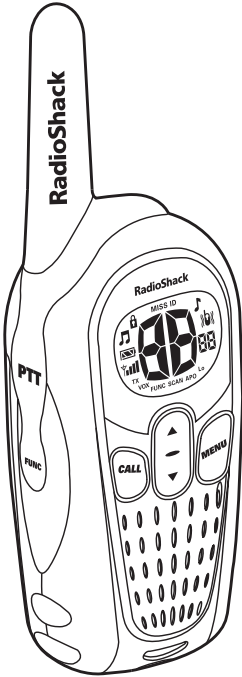
Your radio's display has a backlight that turns on for about 5 seconds when you press any key except **PTT**.

Your radio's other features include:

- **Channel Scan** — use to find other GMRS/FRS users.
- **Key Beep** — each time you press a key, except **PTT** or **FUNC**, the radio beeps once.
- **Vibrate** — vibrates for 2 seconds when receiving a signal if the radio has been idle for more than 30 seconds.
- **Voice Operated Transmission (VOX)** — enables standalone usage and works with a handsfree accessory.
- **Automatic Power Off** — the radio automatically turns off when the radio is idle for 30, 60 or 90 minutes.
- **Hi/Lo Power Selection** — select the transmit power 0.5W or 2W for a GMRS channel.
- **Courtesy Tone** — at the end of transmission, the radio (receiver side) sounds a tone to confirm the end of transmission.

- **Direct Call** — in the transmitter you can select the receiver radio to receive a call. In the receiver, the radio will receive the call that is addressed to the radio and display the transmitter ID number on the display.
- **Panic** — if you have an emergency situation, press **PANIC** and the radio generates an alarm.
- **Phase-Lock Loop (PLL) Controlled Circuitry** — provides accurate and stable channel selection.

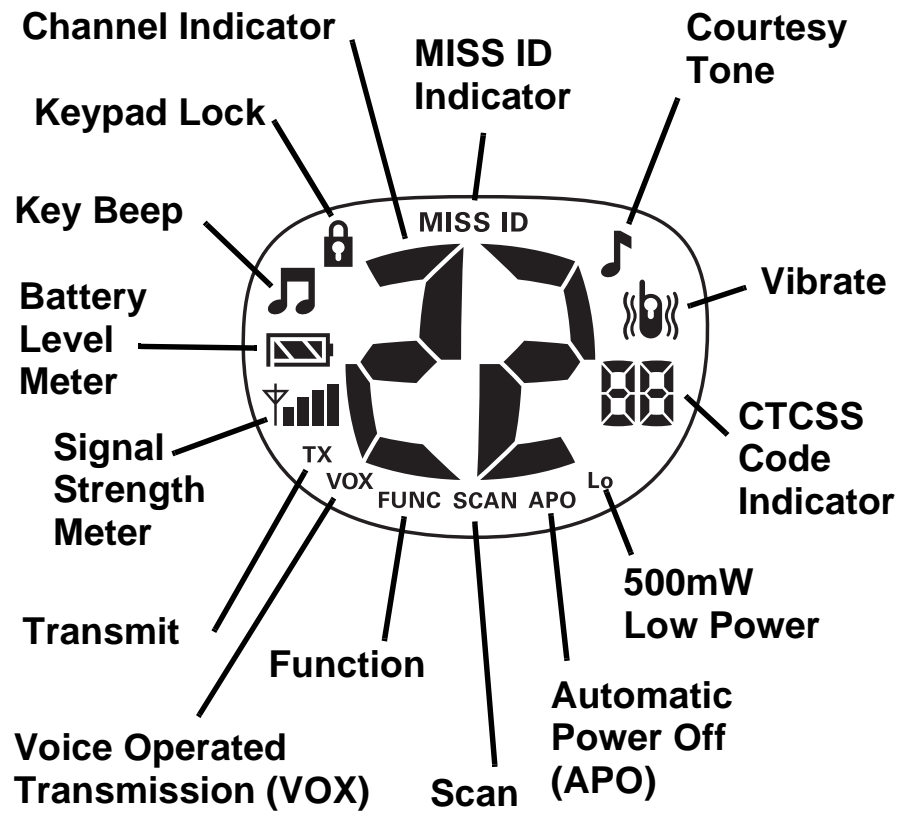
PACKAGE CONTENTS



- Belt Clip (1)**
- Owner's Manual (1)**
- Quick Start (1)**

Radio (1)

A QUICK LOOK AT THE DISPLAY



✦ Battery Notes ✦


- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries, different types of batteries (alkaline or rechargeable), or rechargeable batteries of different capacities.
- Dispose of old batteries promptly and properly.
- Do not burn or bury batteries.
- If you do not plan to use the radio for a month or more, remove the batteries. Batteries can leak chemicals that can damage electronic parts.



POWERING THE RADIO

USING BATTERIES

Your radio requires four AA alkaline batteries (not supplied) or rechargeable nickel-cadmium (Ni-Cd) (not supplied) or nickel-metal hydride (Ni-MH) batteries (not supplied) for power. Follow these steps to power the radio with alkaline batteries. ✦

1. To turn off the radio, rotate **VOL/OFF** clockwise until it clicks.
2. Pull down the latch on the battery compartment cover. Then remove the cover.

3. Set CHARGE ON/OFF inside the battery compartment to **OFF**. 
4. Install four AA batteries according to the polarity symbols (+ and -) marked inside the battery compartment.
5. Replace the cover and push the latch up until it clicks. Then rotate **VOL/OFF** counterclockwise until it clicks to turn on the radio.

 appears on the display to indicate how much battery power remains. When  flashes, replace alkaline batteries or recharge Ni-Cd or Ni-MH batteries.


 **WARNING** 

If you use non-rechargeable batteries, be sure to set **CHARGE ON/OFF** to **OFF**. Non-rechargeable batteries can get hot and explode if you try to recharge them.

 **CAUTION** 

You must use a Class 2 power source that supplies regulated 6V DC (Not more than 6V) and delivers at least 1000 mA. Its center tip must be set to positive and its plug must fit the radio's **DC 6V** jack. Using an adapter that does not meet these specifications could damage the radio or the adapter.

RECHARGING NI-CD OR NI-MH BATTERIES

The radio's **DC 6V** jack is for charging Ni-Cd or Ni-MH batteries. You can recharge Ni-Cd or Ni-MH batteries inside the radio at home or in your vehicle, using a 6V, 1000mA AC or DC adapter and a size F Adaptaplug™ connector (not supplied). 



1. Rotate **VOL/OFF** fully clockwise to turn off the radio.
2. Pull down the latch on the battery compartment cover. Then remove the cover.
3. Set **CHARGE ON/OFF** to **ON**.

4. Place four Ni-Cd or Ni-MH batteries in the compartment according to the polarity symbols (+ and -) marked inside. Then replace the cover and push the latch up until it clicks.
5. Attach the Adaptaplug to the adapter so **TIP** reads positive (+).
6. Connect the Adaptaplug's other end to the radio's **DC 6V** jack and plug the adapter into a standard AC outlet or vehicle's power source.
7. When charging is complete, unplug the AC or DC adapter from the power source. Then disconnect it from the radio's **DC 6V** jack.

**NOTE**

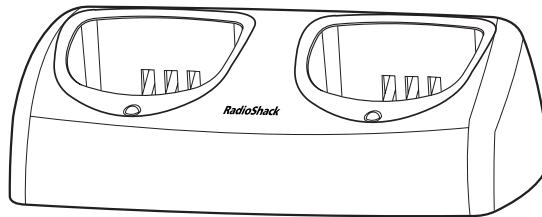
It takes about 10 hours to fully charge rechargeable batteries with an optional AC or DC adapter. Using an optional smart charger (such as Cat. No. 21-1930) reduces charge time to about 2 hours. The smart charger is available at your local RadioShack store.

! IMPORTANT !


The EPA certified RBRC[®] Battery Recycling Seal on the nickel-cadmium (Ni-Cd) battery indicates RadioShack is voluntarily participating in an industry program to collect and recycle these batteries at the end of their useful life, when taken out of service in the United States or Canada. The RBRC program provides a convenient alternative to placing used Ni-Cd batteries into the trash or the municipal waste stream, which may be illegal in your area. Please call 1-800-THE-SHACK (1-800-843-7422) for information on Ni-Cd battery recycling and disposal bans/restrictions in your area. RadioShack's involvement in this program is part of the company's commitment to preserving our environment and conserving our natural resources.



Using an Optional Smart Charger



1. Connect the AC-DC adapter supplied with the optional smart charger to the jack on the back of the smart charger. Then plug the other end into a standard AC outlet.
2. Pull down the latch on the battery compartment cover. Then remove the cover.
3. Set **CHARGE ON/OFF** to **ON.!**

4. Place four Ni-CD or Ni-MH batteries in the radio's battery compartment according to the polarity symbols (+ and -) marked inside. Then replace the cover and push the latch up until it clicks.
5. Place the radio in the smart charger. 
6. When charging is complete, remove the radio from the dual charger.

**NOTE**

- Complete charging takes about 2 hours.
- Use of this radio outside the country in which it was intended to be distributed is subject to the regulations of the country in which it is used and may be prohibited.
- The charger might not supply enough current to charge the batteries if you use the radio to transmit at the same time.
- To ensure proper charging, use a pencil eraser to clean the contacts on the bottom of the radio and inside the smart charger.

OPERATION

TURNING THE RADIOS ON/OFF AND ADJUSTING THE VOLUME

Rotate **VOLUME/OFF** to turn the radio on or off and adjust the volume.

TRANSMITTING

Hold down **PTT** to send a page to other FRS radios set to the same channel (and the same quiet code, if you selected one). **Tx** appears. Release **PTT** to stop transmission.

 **NOTE** 

To save power, the radio automatically stops transmitting when you hold down **PTT** for about two minutes.

FRS FREQUENCIES CHART

Channel	Frequency (MHz)	Description
1	462.5625	FRS 1/GMRS Interstitial
2	462.5875	FRS 2/GMRS Interstitial 2
3	462.6125	FRS 3/GMRS Interstitial 3
4	462.6375	FRS 4/GMRS Interstitial 4
5	462.6625	FRS 5/GMRS Interstitial 5
6	462.6875	FRS 6/GMRS Interstitial 6
7	462.7125	FRS 7/GMRS Interstitial 7
8	467.5625	FRS 8
9	467.5875	FRS 9
10	467.6125	FRS 10
11	467.6375	FRS 11
12	467.6625	FRS 12
13	467.6875	FRS 13
14	467.7125	FRS 14
15	462.5500	GMRS Primary 1
16	462.5750	GMRS Primary 2
17	462.6000	GMRS Primary 3

Channel	Frequency (MHz)	Description
18	462.6250	GMRS Primary 4
19	462.6500	GMRS Primary 5
20	462.6750	GMRS Primary 6
21	462.7000	GMRS Primary 7
22	462.7250	GMRS Primary 8

SELECTING A CHANNEL

Press ▲ or ▼ to select the desired channel. The selected channel number appears.

SELECTING QUIET CODES

Quiet codes let you talk and listen to other radios set to the same channel and quiet code. This is like having a sub-channel within a channel, giving you greater

communication flexibility.
When you set a quiet code (there are 38 codes to choose from) and turn on this feature, you can communicate with anyone who has a radio set to the same channel and quiet code.

To select the desired quiet code, hold down **FUNC**. **FUNC** appears on the display. Repeatedly press or hold ▲ or ▼ until you see the code number you want to use.

To turn off the quiet code feature, hold down **FUNC** and repeatedly press or hold ▲ or ▼ at the same time until the quiet code number disappears.


QUIET CODE CHART

CTCSS No.	Frequency (Hz)	CTCSS No.	Frequency (Hz)
1	67.0	20	131.8
2	71.9	21	136.5
3	74.4	22	141.3
4	77.0	23	146.2
5	79.7	24	151.4
6	82.5	25	156.7
7	85.4	26	162.2
8	88.5	27	167.9
9	91.5	28	173.8
10	94.8	29	179.9
11	97.4	30	186.2
12	100.0	31	192.8
13	103.5	32	203.5
14	107.2	33	210.7
15	110.9	34	218.1
16	114.8	35	225.7
17	118.8	36	233.6
18	123.0	37	241.8
19	127.3	38	250.3

USING SCAN

Press and hold ▲ or ▼ to scan up and down to find the desired channel and quiet code. The radio automatically scans through the channels and pauses on each active channel. While scanning, press ▲ or ▼ to change the scanning direction. Press **PTT** to stop scanning. ☒

USING KEY LOCK

To lock or unlock the keypad, hold down **FUNC** and press **PTT** to lock or unlock the keys.  appears when the keys are locked. When the keypad is locked, you can still transmit (press **PTT**), send a call (press **CALL**) or temporarily enable/disable Vox (press **PTT** when Vox level is 1–4). ☒


NOTE



- The radio automatically scans through quiet codes while scanning through the channels. The quiet code feature automatically turns on when a signal is detected on a channel and quiet code, and turns off after the signal disappears.
- During scan, the radio will not receive Direct Call data.

 **NOTE** 


- If you do not press a key after 20 seconds when you enter key tone and vibrate mode, VOX mode, APO mode, setting Hi/Lo transmitter power mode and courtesy tone mode, the radio will exit these modes without saving the setting.
- When you do not press a key after 20 seconds, while in the Menu, the radio exits the Menu without saving your settings.


USING KEY TONE AND VIBRATE

You can set the radio so it sounds a tone when you press any key except **PTT** or **FUNC**. You can also set the radio to vibrate. When the radio is idle for 30 seconds, the radio vibrates when it receives a signal. 

To turn on the key tone and vibrate feature, press **MENU** to activate the Menu function and press **▲** or **▼** until   and **ON** appear. Press **PTT** to store the setting.

Repeat this process to turn off key tone and vibrate.

To turn on the key tone and turn off the vibrate feature, press **MENU** to activate the Menu function and press **▲** or **▼** until  and **ON** appear. Press **PTT** to store the setting.

To turn off the key tone and turn on the vibrate feature, press **MENU** to activate the Menu function and press ▲ or ▼ until  and **ON** appear. Press **PTT** to store the setting.

When you do not press a key after 20 seconds, while in the Menu, the radio exits the Menu without saving your settings.


USING VOX

Vox operation allows you to transmit a voice message without pressing any key.

To activate Vox, repeatedly press **MENU** until **VOX** appears. Then press ▲ or ▼ to select the desired level (1– 4) (i.e. Lo–Hi sensitivity), or select **OFF** to turn Vox off. Press **PTT** to store the setting. **VOX** flashes when Vox is




You still can send a page to the other FRS radios in Vox mode when the keys are locked.

activated. Press **PTT** to temporarily turn off Vox. **VOX** stops flashing. Press **PTT** again to turn on Vox. **VOX** flashes. 

USING APO

You can set the radio to automatically turn off when the radio is idle (no key is pressed and nothing is transmitted or received) for 30, 60 or 90 minutes. To turn APO (Automatic Power Off) on/off, continually press **MENU** until **APO** and **30**, **60**, **90** or **OFF** appear, press **▲** or **▼** to select the desired amount of time or **OFF**. Before the radio shuts off, it beeps and vibrates. If you select **OFF**, the radio does not automatically turn off. To activate the radio, press any key. Make sure the radio is set to **ON** by setting the rotary switch to on. The radio beeps and vibrates when you turn it on.

USING HI/LO TRANSMITTER POWER

You can set the radio transmit power to 0.5W or 2W. The transmit power of channels 8–14 is fixed at 0.5W only (FRS channel). To select 2W transmit power, make sure the channel is not on channels 8–14. Then repeatedly press **MENU** until **Lo** appears. If you select **OFF**, the radio transmit power is 2W; select **On** to set the transmit power to 0.5W. 

USING COURTESY TONE



You can set your radio so the person you are communicating with will hear a tone when you finish transmitting. To turn on the radio courtesy tone, press **MENU** repeatedly.

NOTE


The Hi/Lo transmit selection is not available when using FRS Channels 8–14.

 **NOTE** 

- Do not change your headset's mode (VOX or PTT) while the radio is in use. Be sure to switch your radio off to reset it before switching between VOX and PTT.
- When you turn on VOX after you connect a headset to the radio, the VOX level is set to level 4. If VOX is set to another level, the VOX will remain at that level.

 appears and **ON/OFF** flashes on the display. **ON** appears when the courtesy tone is on, and **OFF** appears when the courtesy tone is off. Press **▲** or **▼** to turn the courtesy tone on or off. Press **PTT** to store the setting. 

USING A HEADSET

You can make or answer calls with hands-free convenience using an optional headset with a $\frac{3}{32}$ -inch plug (not supplied, available at your local RadioShack store) To connect a headset, insert the headset's plug into the **EAR/MIC** jack on the bottom of the radio. 

DIRECT CALL OPERATION

The Direct Call data includes the transmitter ID and receiver ID information. You can use the transmitter to select the receiver radio's ID number you want to call, and the receiver radio only receives the Direct Call data you select. The Direct Call data communication is based on the same Channel and CTCSS code setting. You cannot establish communication if the Channel and CTCSS code for both radios are not the same.

Direct Call data is sent when user presses **CALL**. The radio transmits Direct Call data to the desired radio.

At the same time, the other radio checks the receiving Direct Call data at the same Channel and CTCSS code. If the Call ID number matches its Home ID (Receiver ID number) or equivalent Group Call, it recognizes that the call is addressed to this radio. As a result, the receiver will display the Sender ID number on the display and generate a call melody. There are five different call melodies to let the user determine who is transmitting a call (Please refer to the call melody note later).

After Direct Call transmission is completed, the radio (Transmitter and Receiver) will change its CTCSS code setting to Private code for 15 seconds. The Private code is used to avoid interruption from

the original Channel and CTCSS code. In the 15-second period, both radios can only transmit and receive voice messages at the original Channel with Private Code. Also, the ID icon on both radios flashes on the display to indicate this 15-second period. When conversation is made within this period, the 15-second time-out is extended for another 15 seconds. To exit the 15-second period, press **CALL** or wait for the 15-second time-out.

After a 15-second time out, both radios are restored to their original settings and the display reverts back to the display without Direct Call function.

On the other hand, if you do not press any key on the receiver after a Direct Call is received, the radio's display continues showing the received ID number and **MISS ID** (Missed ID) flashes until you press any key (except **FUNC**). Also, the radio generates a beep to remind you that there is an incoming call and it continues beeping once every 10 minutes for a period of 30 minutes. To stop the beeps, press any key except **FUNC**.

SETTING HOME ID

Home ID data allows you to enter the ID number that will appear on the receiving radio as you communicate with it. You can select Home ID numbers 1–16.

1. Set the transmitter and receiver to the same channel (and the same quiet code, if you select one)
2. Hold down **FUNC** then press **CALL** to enter Setting Home ID mode. Then release **FUNC** and **CALL**. Then press ▲ or ▼ to select your desired Home ID number.
3. Press **PTT** to store the setting. ☑.

SETTING DIRECT CALL


Direct Call data allows you to enter the receiver's radio ID number that you want to call. The radio's receiver only receives the Call when the Direct Call data is matched

NOTE

- If you do not press a key within 20 seconds when setting the Home ID, the radio automatically exits Home ID without saving your settings.
- If the Home ID is changed, the radio automatically resets the Direct Call number to Group Call.

 **NOTE** 

If you press ▲ or ▼ to change the Direct Call number and the number is equal to the Home ID, the next Direct Call number appears. This is in order to prevent any conflict of Home ID and Direct Call.

with its Home ID. You can select Direct Call number 1–16 or Group Call. 

1. Hold down **CALL** until the Direct Call ID number flashes on the display. Press ▲ or ▼ to select the receiver's home ID number or Group option. (If you select receiver's Home ID number 1 - 16, you can only send a page to one user or several users with the same home ID number). If you select **GP**, you can send a page to all users).
2. Press **PTT** to store the setting.

CALL MELODY

When you press **CALL** to send out the direct call data, a melody specific to the ID

number sounds. Likewise, at the receiver side a melody specific to the ID sounds as it receives the direct call data. See the following for the melody and corresponding IDs.


Call Melody No. ID	1	2	3	4	5
For Transmitter	Call ID = Group Call	Call ID = 1-4	Call ID = 5-8	Call ID = 9-12	Call ID = 13-16

Call Melody No. ID	1	2	3	4	5
For Receiver	Group Call	Sender ID = 1-4	Sender ID = 5-8	Sender ID = 9-12	Sender ID = 13-16

 **NOTE** 

- You can activate the alarm even if the radio is turned off (rotary switch Off) or the battery is charging or the battery is low.
- During the warning tone and vibration period, press **PANIC** once to stop the warning tone and vibration.

USING PANIC

When an emergency occurs, you can set the radio to generate an alarm sound for safety. 

1. To activate alarm sound, press and hold **PANIC** (about 0.5 seconds). Release **PANIC** when the warning tone sounds and the radio vibrates.
2. After the warning tone sounds and the radio vibrates (about 2 seconds), the radio generates an alarm sound.
3. To stop alarm sound, press and hold **PANIC** (about 2 seconds) until the alarm stops and **“STOP”** appears on the display.

USING THE SWIVEL-BELT CLIP

To attach the belt clip, insert the clip into the socket at the back of the radio until it clicks. To remove the belt clip, press the button at the tip of the clip and pull out the clip.

USING AN OPTIONAL WRIST STRAP

You can attach an optional wrist strap (not supplied) to the radio. Slide the wrist strap's small loop under the bar at the base of the radio. Then pull the strap's large loop through the small loop.

! IMPORTANT ! **FCC Information**

Do not open your radio to make any internal adjustments. Your radio is set up to transmit a regulated signal on one of 22 assigned frequencies. It is illegal to alter or adjust the settings inside the radio to exceed those limitations. Any adjustments to your radio must be made by a qualified technician using the proper test equipment.

To be safe:

- Never open your radio's case.
- Never change or replace anything in your radio except the batteries.

Your radio might cause TV or radio interference even when it is operating properly. To determine whether your radio is
(Continued)

- (Continued) causing the interference, turn it off. If the interference goes away, your radio is causing it.

Try to eliminate the interference by:

- Moving your radio away from the receiver.
- Calling your local RadioShack store for help.
- If you cannot eliminate the interference, the FCC requires that you stop using the radio.

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.

CARE

Keep the radio dry; if it gets wet, wipe it dry immediately. Use and store the radio only in normal temperatures. Handle the radio carefully; do not drop it. Keep the radio away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

SERVICE AND REPAIR

If your radio is not performing as it should, take it to your local RadioShack store for assistance. To locate your nearest RadioShack, use the store locator feature on RadioShack's website (www.radioshack.com), or call 1-800-The Shack (843-7422) and follow the menu options.

Modifying or tampering with the radio's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it.

FCC INFORMATION

FCC LICENSE REQUIRED

The Federal Communications Commission (FCC) requires you to have a GMRS license before you operate this radio. To obtain a license, you must be at least 18 years of age, and cannot be a representative of a foreign government.

⚠ WARNING ⚠

There is a penalty for any unlicensed operation of a GMRS radio.

You must complete FCC Forms 605 and 159 (Fee Remittance Advice) and return them with the applicable fees and Payment/Fee Type Code (PAZR) to the FCC. To obtain the necessary forms, contact the FCC at:

Federal Communications
Commission Wireless Bureau
Applications
P.O. Box 358130
Pittsburgh, PA 15251-5130
1-888-CALLFCC (1-888-225-
5322)

To obtain instructions on filing form 605 electronically, go to <http://www.fcc.gov.wtb/uls>.

This radio is intended for communications from base-to-mobile or mobile-to-mobile stations. Base-to-base communication is not permitted.

When you receive your license from the FCC, you are assigned a call sign. You must give your call sign at the end of every communication exchange or once every 15 minutes during a continuous communication.

The Personal Radio Steering Group (PRSG) is the national user-advocacy organization for GMRS. The PRSG provides assistance with licensing and other information about GMRS, including how to contact and communicate with other GMRS licensees.

Personal Radio Steering
Group
P.O. Box 2851
Ann Arbor, MI 48106
www.provide.net/prsg/

THE FCC WANTS YOU TO KNOW

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 your local RadioShack store or an experienced radio/TV technician for help.

SAFETY INFORMATION

Your wireless handheld portable transceiver contains a low power transmitter. When the Push-To-Talk (**PTT**) button is pressed, it sends out radio frequency signals. The device is authorized to operate at a duty factor not to exceed fifty percent. In August 1996, the Federal Communications Commission adopted RF exposure guidelines with safety levels for handheld wireless devices. 

CAUTION

To maintain compliance with the FCC's RF exposure guidelines, hold the transmitter and antenna at least 2 inches from your face and speak in a normal voice, with the antenna pointed up and away from your face. If you wear the handset on your body while using the headset accessory, use only the supplied belt clip for this product and when transmitting take it out of the belt to ensure the antenna is at least 1 inch (2.5cm) from your body.

Use only the supplied antenna. Unauthorized antennas, modifications, or attachments could damage the transmitter and may violate FCC regulations.

SPECIFICATIONS

Frequency Range

.....
462.5500–467.7125MHz

Channels 22

RF Output Power

Hi power 2W ERP

Lo power 0.5W ERP

Power Supply 6.0V DC
(4 x AA Alkaline)

Battery LifeAbout 16 hours
(alkaline batteries)

Operating Temperature

..... -4 to 122° F
(-20 to 50° C)

Dimensions (HWD)

..... $5 \times 2\frac{1}{2} \times \frac{19}{16}$ in.
(127 × 63 × 40 mm)

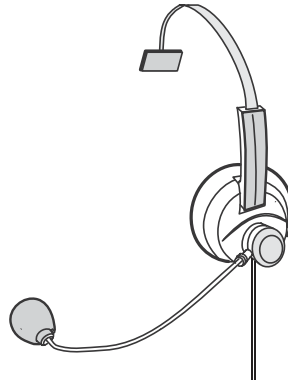
Weight 168 grams

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

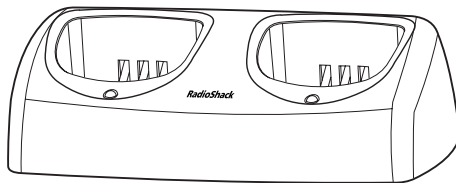
OPTIONAL ACCESSORIES



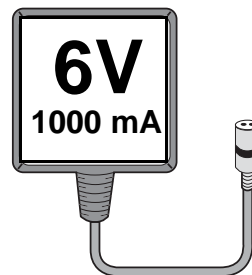
Alkaline Batteries



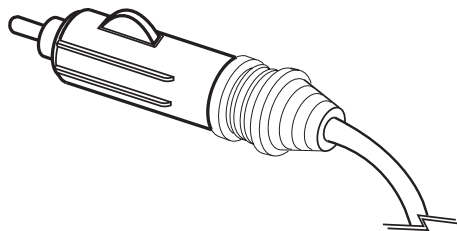
Headset with Mic



Smart Charger



6V 1000 mA adapter



**Cigarette-Lighter
Adapter**

**Size F Adaptaplug™
Connector**

Leather Carrying Case

NOTES

Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, 200 Taylor Street, 6th Floor, Fort Worth, TX 76102

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