# 10-mile GMRS/FRS 2-way radio with charger

**R** RadioShack.

Thank you for purchasing your 2-way radio from *RadioShack*. You can talk to others in the next room, next door, and around the neighborhood. Your radios transmit and receive on General Mobile Radio Service (GMRS) and Family Radio Service (FRS) frequencies.

**display with backlight**
The LCD backlight activates for 10 seconds when you press any key (except **PTT**).

**△ and ▽**
• Use to adjust the volume.
• To select a channel, press **CH/TONE** first. See "Channels and Quiet Codes " for more information.

**MON**
• Press briefly to monitor for weak signals on the current channel or quiet code.
• Hold for 2 seconds to continuously monitor. Press again to stop monitor.

**PTT (Push to Talk)**
Hold down to talk, release to receive.

**headset jack**
Connect headset (not supplied).

**SCN**
Scans all channels, pausing on active channels until activity clears. Press **PTT** to transmit on a paused channel.
Press **MENU**, **CALL**, **PTT** or **SCN** to cancel the scan.

⏻ Press and hold to turn the radio on or off.

**MIC**
To transmit, hold down the **PTT** button and speak into the microphone.

**MENU**
Accesses advanced features. See "Advanced Features" for more information.

**CALL**
Press to send a short call tone to all radios. Press PTT to interrupt the tone.

## what's included

**Two Radios    User's Guide**

Charger          Two Battery Packs

Power Adapter    Two Belt Clips

Please read this user's guide before installing, setting up and using your new product.
www.radioshack.com

## getting started

**installing batteries**
Each radio requires one rechargeable Ni-MH battery pack or four AAA alkaline batteries (not supplied).

To intall the battery pack, turn your radio off, remove the battery compartment cover, and install the battery pack according to the label. Then, replace the cover.

NOTES:
• *Dispose of old batteries promptly and properly. Do not burn or bury them.*
• *Use only fresh batteries of the required size and recommended type. Do not mix batteries of different sizes or chemistries.*
• *If you do not plan to use your radio for a month or more, remove the batteries. Batteries can leak chemicals that can damage electronic parts.*

**charging your radios**
Battery packs take about 16 hours to fully charge. When the battery is low, ▭ flashes. Recharge the battery pack.
❶ Plug the supplied adapter into the charger and a standard wall outlet.

**Back View**
To Wall Outlet

❷ Turn off and place the radio(s) in the charger. The charge indicator remains on while the radios are in the charger.

**Charge Indicators**

NOTES:
• *Do not recharge alkaline batteries.*
• *To prolong the life of your rechargeable batteries, always fully discharge your battery pack before recharging.*

**automatic power save feature**
After three seconds of inactivity, your radio switches to the Power Save mode. The radio can still receive transmissions in this mode.

**belt clips**
Attach each belt clip by sliding the belt clip downward. To remove the belt clip, lift the tab and slide the belt clip upward.

Belt Clip

Tab

**keystroke tones**
To mute the keystroke tones, press and hold **CALL** while turning on the radio. To reactivate the keystroke tones, turn the radio off, then turn it back on while holding down **CALL**.
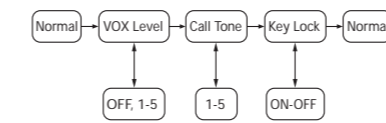
**roger beep**
A roger beep is sent to notify the end of a transmission. To activate the roger beep, press and hold the volume up button while turning on the radio. To deactivate the roger beep, turn the radio off, then turn it back on while holding down the volume up button.

You can hear a sent roger beep when the keystroke tone feature is on. If you turn off the keystroke tones, you will transmit a roger beep, but you will not hear it.

## advanced features

To access advanced features, repeatedly press **MENU** to advance through the menu. Each time you press menu, a new advanced feature loads in the following order:

Normal → VOX Level → Call Tone → Key Lock → Normal
           OFF, 1-5    1-5      ON-OFF

To exit, press **PTT**, **MON**, **SCN**, **CALL** or **CH/TONE**, or wait 10 seconds for the radio to automatically exit.

**voice operated transmission**
Voice Operated Transmission (VOX) activates transmission with a headset microphone instead of the **PTT** button.
1. Repeatedly press **MENU** until **VOX** appears. Selecting level **oF** (OFF) disables VOX.
2. Use △ or ▽ to select VOX sensitivity levels (1—5).
   • 1—Most sensitive.
   • 5—Least sensitive.

**call tones**
1. Repeatedly press MENU until **call** appears.
2. Use △ or ▽ to select call tone (1—5). Each tone plays through the speaker.

**key lock**
To lock the radio keys:
1. Repeatedly press MENU until 🔒 appears.
2. Press △.
3. To confirm the setting, press **MENU**. If you do not confirm your selection, the keys will not lock.
4. To unlock the keypad, turn the radio off and then back on.

## caring for your radios

• Keep your radios dry: if they get wet, wipe them dry immediately.
• Handle your radios carefully; do not drop them.
• Wipe your radios with a damp cloth occasionally to keep them looking new.

## channels and quiet codes

Your radio has 22 channels and 99 quiet codes. To talk to others, you must be on the same channel (and quiet code, if active).
**To select a channel and quiet code:**
1. Press **CH/TONE**. The channel number flashes.
2. Press △ or ▽ to select a channel (1—22).
3. Press **CH/TONE** again. The quiet code number flashes.
4. Press △ or ▽ to select a quiet code (**OFF** or 1—99).
   • *Quiet codes 1—38 are Continuous Tone Control Squelch (CTCSS) and 39—99 are Digital Coded Squelch (DCS). These codes limit authorized users and reduce interference.*
   • *Code **oF** (OFF) indicates that you have no quiet code selected and your radio can receive a signal regardless of other radio settings.*

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

NOTES:
• *FRS channels 8—14 have an expectancy range of up to 5 miles. GMRS channels 1—7 and 15—22 have an expectancy range of up to 10 miles.*
• *For FRS channel scans, **lo** appears. For GMRS channel scans, **hi** appears.*

## GMRS license

This radio operates on the General Mobile Radio Service (GMRS) frequencies when using Channels 1—7 and channels 15—22. You must have a GMRS license issued by the Federal Communications Commission to legally use these channels. For licensing information and application forms, visit the FCC online at: www.fcc.gov/wtb/uls or call the FCC hotline at 1-800-418-3676. If you have any questions, you can contact the FCC direct at 1-888-225-5322.

No license is required for operation on channels 8-14 or operation on any channel in Canada.

## product specifications

Channels...................................................................................15 GMRS/7 FRS
Operating Frequency.................................................UHF 462.5500—467.7125 MHz
**Range**
  Channels 8—14 ..............................................................................Up to 5 miles
  Channels 1—7, 15—22..................................................................Up to 10 miles
Power Source......................................................................Ni-MH battery pack (supplied)
......................................................... or 4 AAA Alkaline Batteries (optional, not supplied)
**Battery Life (5/5/90 duty cycle)**
  Ni-MH Battery Pack ...................................................................About 12 hours
  Alkaline Batteries........................................................................About 12 hours
NOTE: Specifications are typical: individual units may vary. Specifications are subject to change and improvement without notice. Actual product may vary from the images in this document.

## RF exposure information

WARNING! The Federal Communications Commission has adopted a safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters. It is up to the user to properly operate this radio transmitter to insure safe operation.Please adhere to the following:  Never allow children to operate the radio without adult supervision and the knowledge of these guidelines.  Avoid touching the antenna when transmitting. Do not use the radio with a damaged antenna. Please contact your local *RadioShack* store for a suitable replacement. This device was tested for typical body-worn operations.  Use only the supplied belt-clip to maintain compliance with FCC RF exposure requirements.  For hand-held operation, the radio should be held 1 inch from the user's face. Use only the supplied accessories to comply with FCC RF exposure requirements.  For more information about RF exposure, please visit the FCC web site at www.fcc.gov.

Changes or modifications not expressly approved by *RadioShack* may cause interference and void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following 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.

## limited one-year warranty

This product is warranted by *RadioShack* against manufacturing defects in material and workmanship under normal use for one (1) year from the date of purchase from *RadioShack* company-owned stores and authorized *RadioShack* franchisees and dealers. For complete warranty details and exclusions, check with your local *RadioShack* store.

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