

Deluxe 2-Way Personal FRS Radio

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

Your RadioShack Deluxe 2-Way Personal FRS Radio is a light-weight, palm-sized radio that you can carry almost anywhere and use to talk with another person who has a FRS radio set to the same frequency.

The Family Radio Service (FRS) is a license-free, two-way, short-range voice radio service that lets families and groups keep in touch with each other on specific reserved channels.

Your radio has auto-squelch, which means you hear nothing on a channel unless someone is transmitting nearby on the same channel. You can turn off auto-squelch to hear weaker, distant transmissions.

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

Your radio's display has a backlight that turns on for about 7 seconds when you press any keys except **LOCK/PTT** and **CALL**. To turn on the backlight without changing the radio's setting (except in Dual Watch mode), press **MON/FUNC**.

FCC INFORMATION

Important: Do not open your radio to make any internal adjustments. Your radio is set up to transmit a regulated signal on one of 14 assigned frequencies. It is against the law 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 and sure:

- 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 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.

SAFETY INFORMATION

Your radio contains a low power transmitter. When the Push-to-Talk button is pushed it sends out radio frequency (RF) signals. The device is authorized to operate at a duty factor not to exceed 50%. In August 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless devices.

Cautions:


- To maintain compliance with the FCC's RF exposure guidelines, hold the transmitter and antenna at least 2 inches (5 cm) away from your face, and speak in a normal voice. Point the antenna 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 that the antenna is at least 1 inch (2.5 cm) from your body.
- Use only the supplied antenna. Unauthorized antennas, modifications, or attachments could damage the transmitter and may violate FCC regulations.

INSTALLING BATTERIES

Your radio requires 4 AA alkaline or rechargeable nickel-cadmium (Ni-Cd) batteries (not supplied) for power. For the best performance and longest life, we recommend RadioShack batteries.

Cautions:

- 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.

1. Rotate **OFF/VOL** counterclockwise until it clicks to turn off the radio.
2. Pull down the latch on the battery compartment cover, then remove the cover.
3. Slide **CHARGE ON/OFF** inside the battery compartment to **OFF** (for alkaline batteries) or **ON** (for rechargeable batteries).
4. Install 4 AA batteries according to the polarity symbols (+ and -) marked inside.
5. Replace the cover, then push the latch up until it clicks.
6. When  (low battery icon) appears, replace the batteries.

Warning: Dispose of old batteries promptly and properly. Do not burn or bury them.

Caution: If you do not plan to use the radio for a month or longer, remove the batteries. Batteries can leak chemicals that can destroy electronic parts.

Recharging Ni-Cd Batteries

Warning: Do not attempt to charge alkaline batteries. Standard, non-rechargeable batteries can get hot or explode if you try to recharge them.

You can recharge Ni-Cd batteries inside the radio using a 9V, 100mA AC or DC adapter and a size E Adaptaplug (neither supplied, both available at your local RadioShack store).

Cautions:

- You must use a (Class 2 for AC) power source that supplies 9V DC and delivers at least 100mA. Its center tip must be set to positive and its plug must fit the radio's **MIC/CHRG** jack. Using an adapter that does not meet these specifications could damage the radio or the adapter.
- Always connect the adapter to the radio before you connect it to an external power source (such as an AC outlet or a vehicle cigarette-lighter socket). When you finish, disconnect the adapter from the power source before you disconnect it from the radio.
- You must turn off the radio while you charge the batteries.

Note: Charge only regular capacity Ni-Cd batteries in the radio. To prevent overcharging, use an external charger to charge Ni-MH and high-capacity Ni-Cd batteries.

- Rotate **OFF/VOL** counterclockwise until it clicks to turn off the radio.
- Pull down the latch on the battery compartment cover, then remove the cover.
- Slide **CHARGE/ON/OFF** to **ON**.
- Put 4 AA Ni-Cd batteries in the compartment according to the polarity symbols (+ and -) marked inside. Then close the cover and push the latch up until it clicks.
- Pull off the rubber cover from **MIC/CHRG** and connect the adapter's barrel plug to the radio's **MIC/CHRG** jack, then plug its other end into a standard AC outlet or DC power source.

Complete charging takes about 10–14 hours. When charging is complete, unplug the AC or DC adapter from the power source, then disconnect it from the radio's **MIC/CHRG** jack.

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 THE BELT CLIP

To attach the belt clip, slide the belt clip down onto the tabs on the back of the radio until it clicks. To detach the belt clip, lift up the tab on the belt clip and slide it up.

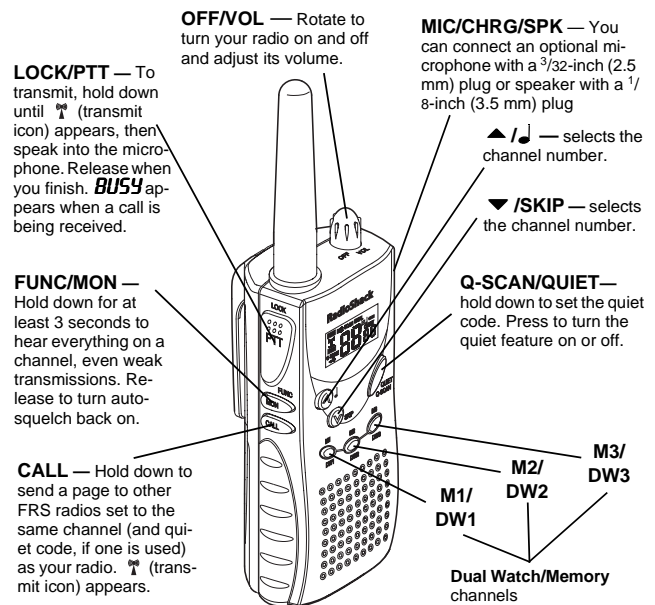
USING AN OPTIONAL HAND STRAP

You can attach an optional hand strap (not supplied) to the radio. Slide the hand strap's small loop under the bar at the side of the radio. You might need to use a small screwdriver or a straightened paper clip to do this. Then pull the strap's large loop through the small loop.

FRS FREQUENCIES

Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
1	462.5625	8	467.5625
2	462.5875	9	467.5875
3	462.6125	10	467.6125
4	462.6375	11	467.6375
5	462.6625	12	467.6625
6	462.6875	13	467.6875
7	462.7125	14	467.7125

A QUICK LOOK AT YOUR RADIO



SELECTING A CHANNEL

To manually select a channel, press / or **SKIP**. The selected channel number appears.

To scan through the channels, hold down / or **SKIP** for about 2 seconds. **SCAN** appears. The radio automatically scans through the channels and pauses on each active channel. Press / or **SKIP** to change the scan direction. Press any key other than / or **SKIP** to stop scanning.

To skip a channel before scanning, press / or **SKIP** to select the desired channel. Hold down **FUNC/MON** and press **SKIP**. (skip icon) appears.

To resume scanning from the skipped channel, select the skipped channel, hold down **FUNC/MON** and press **SKIP**. disappears.

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 to choose from) and turn on this feature,

you can communicate with anyone who has a radio set to the same channel and code.

1. Hold down **QUIET/Q-SCAN** until **QUIET** appears and the quiet code flashes.
2. Repeatedly press (or hold down) **▲/J** or **▼/SKIP** until you see the code number you want to use. (See the “Quiet Codes Chart” on Page 3 for a complete list of quiet codes.)
3. Press **QUIET/Q-SCAN** to store the code.
4. To turn on or off the quiet code feature, press **QUIET/Q-SCAN**. **QUIET** appears when the feature is on.

Note: We recommend that you select a quiet code between 7 and 30. If you select a code below or above that range, you must wait about 2 seconds after holding down **LOCK/PTT** before you start talking.

Using Quiet Code Scan

1. Press **QUIET/Q-SCAN** to turn on quiet code. **QUIET** appears.
2. Hold down **FUNC/MON**, and press **QUIET/Q-SCAN**. **SCAN** appears. When it receives a signal from a radio with the same quiet code, the radio stops scanning. Scanning resumes after the signal disappears.
3. Press any key to stop scanning.

Quiet Codes Chart

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

USING MEMORY

You can store channels in M1/DW1, M2/DW2 and M3/DW3. Press **M1/DW1**, **M2/DW2** or **M3/DW3** to switch to the channel stored in that memory. Press **M1/DW1**, **M2/DW2** or **M3/DW3** again to exit the memory.

The preset channels stored in M1/DW1, M2/DW2, M3/DW3 are Channels 1, 2 and 3 respectively. To change the setting, press **▲/J** or **▼/SKIP** to select the desired channel (see “Quiet Codes” on Page 2), then hold down the button for the desired memory location **M1/DW1**, **M2/DW2** or **M3/DW3** until **M1**, **M2**, or **M3** appears.

USING DUAL WATCH

You can set your radio to monitor both the current channel and one of the channels stored in M1/DW1, M2/DW2 or M3/DW3.

1. Press **▲/J** or **▼/SKIP** to select the desired channel.
2. Hold down **FUNC/MON** and press **M1/DW1**, **M2/DW2** or **M3/DW3**. **DUAL** appears and the two channels appear alternately. The radio alternately checks the two channels and stops on the active channel until the signal disappears.
3. Press any key to stop dual watch.

SETTING THE KEY TONE

You can set the radio so it sounds a tone when you press any key except **LOCK/PTT** and **CALL**.

To turn the key tone on or off, hold down **FUNC/MON** and press **▲/J**. **J** (tone icon) appears when key tone is on.

USING AUTO POWER-OFF

You can set the radio to automatically turn off if it is idle for about 2 hours. Press any key to turn it back on.

Hold down **▼/SKIP** while turning on the radio to turn this feature on or off. **AP ON** appears when the feature is on. **AP OFF** appears when the feature is off.

USING KEY LOCK

You can lock the **▲/J**, **▼/SKIP**, **M1/DW1**, **M2/DW2**, **M3/DW3**, and **QUIET/Q-SCAN** keys. To lock or unlock any of these keys, hold down **FUNC/MON** and press **LOCK/PTT**.

When the keys are locked, **⏏** (key icon) appears. If the key tone is on, the radio beeps twice when you press any locked key.

USING THE COURTESY TONE

Hold down **LOCK/PTT** while turning on the radio to turn the courtesy tone on or off. If the courtesy tone is on, **C-TONE** appears and the person you are communicating with hears the courtesy tone when you finish transmission.

RESETTING THE RADIO

If the radio stops operating properly, hold down **CALL** while turning on the radio to reset the radio.

CARE

Keep the radio dry; if it gets wet, wipe it dry immediately. Use and store the radio only in normal temperature environments. 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.

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. If your radio is not performing as it should, take it to your local RadioShack store for assistance. If the trouble is affecting the telephone lines, the phone company can ask you to disconnect your radio until you have resolved the problem.

SPECIFICATIONS

Frequency	462.5625 – 467.7125 MHz
Channels	14
Modulation Type	FM
Antenna Impedance	50 Ohm
Microphone	Condenser Type
Power Supply	4 × AA Alkaline
Sensitivity at 12dB Sinad	0.5 uV
Adjacent Channel Rejection	45 dB
Audio Output Power	250mW @ 8 Ohm
RF Output Power	500mW @ 6VDC
Audio Distortion	5%
Harmonic Emissions	> 50 dB
Dimensions	4 ¹³ / ₁₆ × 2 ⁹ / ₁₆ × 1 ¹ / ₂ inch (121.5 × 55 × 38 mm)
Weight (without battery)	5.1 oz (145 g)

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

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.

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We Service What We Sell

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