SPECIFICATIONS

Channels 14
Quiet Codes .... Standard CTCSS Tones
Output Power .... 500 mW
Battery Life .... Alkaline: 28 Hours (2300 mA)
NiMH: 8 Hours (600 mA)
@ 1:1:8 (RX:TX:Standby)

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

(please use RS 90-day warranty)

RadioShack
A Division of Tandy Corporation
Fort Worth, Texas 76102

06A99   811081990A
Printed in China

Owner's Manual
Cat. No. 21-1813

Two-Way
Family Radio

■ **Water-Resistant**

■ **Rugged, Commercial-Quality Design**

■ **14 Channels**

■ **500 mW Output**

■ **High/Low TX Power Control**

■ **38 Quiet Codes**

■ **Call Button**

■ **No License Required!**

■ **Clear Communications**
Up to Several Miles

■ **Automatic Squelch**

■ **Audible Page**

RadioShack welcomes you to the next generation of personal communication — the Family Radio Service (FRS). FRS is a new license-free, two-way, short-range voice radio service that lets families and groups keep in touch with each other on specific reserved channels.

RadioShack

FEATURES

Your RadioShack Two-Way Family Radio is a lightweight, palm-sized radio that you can carry almost anywhere. Use it at shopping malls, amusement parks, or sports events to contact family and friends, or in a neighborhood watch for vital communications.·

Your radio has 14 channels and 38 different qui-et codes. If someone else is using the channel you selected and you do not want to hear that person, select another channel or use the quiet feature (see "Using the Quiet Feature" on Page 6). You can talk with other FRS radio users whose radios are tuned to the same channel and quiet code as yours.

Your radio has *auto-squelch*, which means you will not hear anything on a channel unless someone is transmitting nearby on the same channel. You can turn off auto-squelch to hear weaker, distant transmissions (see Pages 4 and 5).

Also, the radio has a channel and quiet code lock pin in the battery compartment. (See illus-tration on facing page.) Removing the pin locks the channel and quiet code settings to avoid ac-cidentally changing the settings.

The supplied hand strap and belt clip let you take your radio almost anywhere.

We recommend you record your radio's serial number here. The number is on the radio's back panel.

Serial Number:

FCC INFORMATION

Important: Do not open your radio to make any inter-nal adjustments. Your radio is set up to transmit a reg-ulated signal·on an assigned frequency. 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 re-quires 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.

CARING FOR YOUR RADIO

To enjoy your radio for a long time:

- Handle it gently.
- Keep it away from dust, moisture, and tempera-ture extremes.
- Clean it with a damp cloth. Do not use harsh chemicals.

Modifying or tampering with the radio's internal com-ponents can cause a malfunction and might invalidate the radio's 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 as-sistance.

USING THE QUIET FEATURE

The quiet feature lets you talk and listen to people who are using other radios set to the same channel and quiet code as your radio. 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, the radio transmits a tone with your transmission. This tone is too low for you to hear, but other radios can detect it. This prevents radios which are not set to the same channel and quiet code from interfering with your transmissions or reception.

Follow these steps to set a quiet code.

1. Repeatedly press **MODE** until QUIET and the previously set quiet code appear and flash.

2. Rotate **TX/CHANNEL/QUIET/VOLUME** clockwise or counterclockwise until you see the code number (1-38) you want to use.

   QUIET flashes for 5 seconds after you stop rotating **TX/CHANNEL/QUIET/VOLUME**, then the selected channel number reappears.

FREQUENCIES

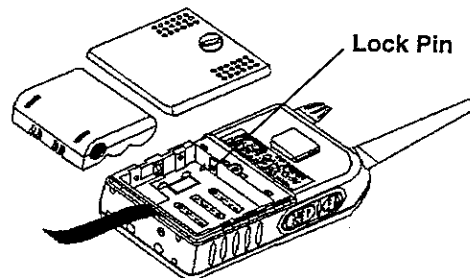| Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	462.5625	8	467.5625
2	462.5875	9	467.5875
3	462.6125	10	467.6125
4	462.6375	11	467.6375
5	462.6625	12	467.6625
6	462.6875	13	467.6875
7	462.7125	14	467.7125

OPERATION

INSTALLING BATTERIES

Your radio uses an optional Ni-MH rechargeable battery pack (RSU No. 12016481, available through your local RadioShack store) or three alkaline AA batteries (not supplied) for power.

Caution:

- Use only fresh batteries of the required size and recommended type.

- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.

Note: You need an optional desktop charger (Cat. No. 21-1830), to charge the battery pack before you can use it. Follow the directions supplied with the optional desktop charger to charge the battery pack.

Be sure the radio is off, then remove the belt clip. Use a coin or a screwdriver to loosen the screw on the battery compartment cover, then slide the cover down and off and install the battery pack or batteries as shown.

Lock Pin

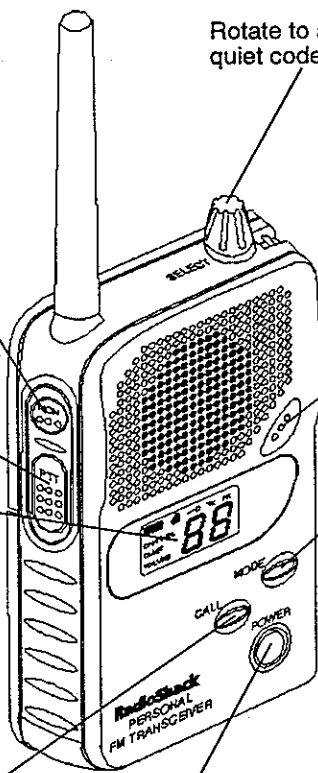**Note:** If you will not be using the radio for several months, remove the batteries.

USING THE RADIO

To hear everything happening on a channel, including weak transmissions and radios set to a different quiet code, hold down **MON** (monitor). RX appears. Release **MON** to turn outo-squelch back on.

To talk, hold down **PTT** (push to talk) and speak into the microphone. TX appears. When you finish speaking, release **PTT**. TX disappears.

Display

As you use the radio, the battery icon's elements on the display disappears to show how much power remains. When only one element remains, recharge the battery pack or replace the batteries.

You can cause a paging tone to sound on all radios tuned to the same channel (and quiet code, if used). To send a page, hold down **CALL** for up to 5 seconds. TX appears.

Rotate to adjust the voice volume, channel, quiet code, and TX power level.

For more conveinient listening, connect an optional speaker/microphone with a $^3/_{32}$-inch mini plug and a $^1/_8$-inch plug to the **EAR/MIC** jacks (or an earphone with a $^1/_8$-inch plug to the **EAR** jack).

Microphone

Repeatedly press **MODE** to switch between channel, quiet, volume and TX modes. See "Using the Quiet Feature" on Page 6.

You can lock the radio's volume at any time by holding down **MODE** for 2 seconds. ⌐◻ appears, and you cannot use **TX/CHANNEL/QUIET/VOLUME** to adjust the volume. Hold down **MODE** again for 2 seconds to unlock the volume. ⌐◻ disappears.

To turn the radio on or off, hold down **POWER** for about 1 second.

The backlight turns on for 10 seconds whenever you press **MODE, CALL,** or **POWER,** or rotate **TX/CHANNEL/QUIET/VOLUME.**

To attach the belt clip, slide the belt clip onto the tab on the back of the radio.