

PREPARATION

Note: Your radio's display is protected during shipment by a piece of film. Peel off this film before you use the radio.

INSTALLING BATTERIES

Your radio requires three AAA batteries (not supplied) for power. For the best performance and longest life, we recommend alkaline batteries or you can use nickel-cadmium (Ni-Cd) rechargeable batteries and charge them in the radio with an optional AC adapter. Both types of batteries are available from your local RadioShack store.

Before using the radio with rechargeable Ni-Cd batteries, you must charge the batteries for a minimum of 10 hours, using an adapter (not supplied). See "Charging Rechargeable Batteries" on Page 4.

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


Cautions:

- 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.
- 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.

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FCC ID: AAO2101822

EXHIBIT #: 9A

1. Rotate  OFF fully counterclockwise to turn off the radio, then pull down the latch on the bottom of the radio to remove the battery compartment cover.
2. Use a pointed object such as a pen to set OFF/CHG inside the compartment to OFF (for alkaline batteries) or CHG (for nickel-cadmium batteries).

Warning: Never set OFF/CHG to CHG if you use non-rechargeable batteries. Non-rechargeable batteries can get hot or explode if you try to recharge them.

3. Install the batteries inside the battery compartment, matching the polarity symbols (+ and -) marked inside the compartment. Then replace the battery compartment cover.

The radio's range decreases as battery power decreases. To ensure maximum range, keep fresh batteries in the radio.

If TX/BATT lights when you are not holding down PTT, replace or recharge the batteries.

Charging Rechargeable Batteries

You can charge rechargeable batteries in the radio using either a 9V, 300 mA AC adapter or a DC cigarette-lighter adapter and a size H Adaptaplug[®] (not supplied). All are available at your local RadioShack store.

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Cautions:

You must use a Class 2 power source that supplies 9V DC and delivers at least 300 mA.

Its center tip must be set to positive and its plug must fit the radio's CHG 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 external power source before you disconnect it from the radio.

Warning: Do not charge non-rechargeable batteries in the radio. Non-rechargeable batteries can get hot and explode if you try to recharge them.

1. Rotate **OFF** fully counterclockwise to turn off the radio, then pull down the latch on the bottom of the radio to remove the battery compartment cover.
2. Use a pointed object such as a pen to set **OFF/CHG** to **CHG**.
3. Install the rechargeable batteries inside the battery compartment, matching the polarity symbols (+ and -) marked inside the compartment. Then replace the battery compartment cover.
4. Attach the Adaptaplug to the adapter so the tip reads positive (+).

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5. Connect the other end of the adapter to a standard AC outlet or, if you are using a DC adapter, attach the other end to a vehicle's cigarette-lighter socket.

Important: This radio can use Ni-Cd rechargeable batteries. At the end of a Ni-Cd battery's useful life, it must be recycled or disposed of properly. Contact your local, county, or state hazardous waste management authorities for information on recycling or disposal programs in your area or call 1-800-843-7422. Some options that might be available are: municipal curbside collection, drop-off boxes at retailers such as your local RadioShack store, recycling collection centers, and mail-back programs.



CONNECTING AN OPTIONAL MICROPHONE/ SPEAKER

To use the radio privately, connect an optional headset with microphone or a microphone and earphone communication headset (available at your local RadioShack store) to the **SPK** and **MIC** jacks.

This connection automatically disconnects the internal speaker and the PTT button.

Or, you can connect a mono earphone (available at your local RadioShack store) into the **SPK** jack and use the radio's PTT button as usual.

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USING THE BELT CLIP

To use the supplied belt clip, slide it down onto the tab at the back of the radio until it clicks. To remove the clip, pull up on the middle tab of the clip and slide the clip upward.

(illus - show clip being attached to radio)

USING A HAND STRAP

To attach an optional hand strap to the radio, thread the hand strap's small loop through the holes next to PTT. 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.



(illus - show hand strap being attached to radio)

To attach an optional pager chain to the radio, simply snap the chain's small loop into one of the holes next to PTT.

OPERATION

CONTROLS

(illus - show front and left sides of radio)

 **OFF** — turn clockwise to turn the radio on and off and adjust the volume. To turn the radio off, turn  **OFF** counterclockwise until it clicks.

PTT (push to talk) — to talk, hold down for about 1 second, then speak into the microphone. TX lights. Release **PTT** when you finish speaking.

CALL — hold down to send a paging tone to all radios tuned to the same frequency.

Important: Do not hold down **CALL** for more than 10 seconds. The FCC does not allow you to send a continuous tone for more than 10 seconds at a time on FRS frequencies.

MON (monitor) — hold down to turn off auto-squelch (see "Auto-Squelch" on Page 11). To turn auto-squelch back on, release **MON**.

MODE — hold down until **L** appears to set the quiet code, turn on or off the quiet feature (see "Using Quiet Codes" on Page 9), and lock **▲** and **▼** to prevent accidental operation.

Hold down **MODE** until **L** disappears to turn off the quiet feature and unlock **▲** and **▼**.

▲ and **▼** — selects the channel number.

DISPLAY AND INDICATORS

(illus - show display with all elements shown)

1-19 — indicates the selected channel (1-14) or quiet code (1-19).

TX/BATT — lights when you transmit a message, press **CALL**, or when the batteries are low.

L — appears when you lock the keypad.

QUIET — lights when the quiet mode (CTCSS) is set and flashes while you are selecting the quiet (CTCSS) code.


USING QUIET CODES

You can set the radio with a quiet (CTCSS) code and screen out unwanted conversations, even from someone transmitting nearby on the same channel. When a quiet code is set, the radio sends it every time **PTT** or **CALL** is pressed and the radio only responds

to signals that have the same code. Radios you plan to use together must be set to the same code. This radio has these quiet (CTCSS) codes.

Channel	Frequency (Hz)	Channel	Frequency (Hz)
1	67.0	11	97.4
2	71.9	12	100.0
3	74.4	13	103.5
4	77.0	14	107.2
5	79.7	15	110.9
6	82.5	16	114.8
7	85.4	17	118.8
8	88.5	18	123.0
9	91.5	19	127.3
10	94.8		

To set the radio to use the quiet feature and set a quiet code:

1. Hold down **MODE** then rotate  **OFF** clockwise to turn on the radio. The **QUIET** indicator flashes.
2. While the **QUIET** indicator flashes, repeatedly press **▲** or **▼** to select the quiet code.
3. Press **QUIET** again. The **QUIET** indicator stays lit and the quiet (CTCSS) code is set.

To turn off the quiet feature, press **QUIET**. The **QUIET** indicator turns off. To turn on the quiet feature and use the previously set code again, hold down **QUIET** until the **QUIET** indicator lights.

AUTO-SQUELCH

Your radio has auto-squelch, which means you won't hear anything on a channel unless someone is transmitting nearby on the same channel. Or, if you use the quiet feature, you might not hear a transmission on the current frequency.

To turn off auto-squelch (so you can hear weaker, distant transmissions), hold down **MON**. Release **MON** to turn auto-squelch back on.

AUTO POWER SAVE

The automatic power save feature extends battery life by reducing the power the radio uses until the radio receives a signal or you press a key. When the radio sets itself to automatic power save mode, the radio's display turns off.

Because the receiving radio might be in this mode, wait about 1 second after pressing **PTT** to allow the receiving radio to come to full power before you begin speaking.

TURNING THE KEY TONE ON AND OFF

The radio is preset to sound a beep each time you press a key. To turn the beep on or off, hold down **CALL** then turn on the radio.

SPECIFICATIONS

RF Output Power 300 mW

Number of Channels 14

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

Temperature Range -4° to 122°F
(-20° to 50°C)

Minimum Battery Life (alkaline):

Standby 85 Hours

Transmitting 4 Hours

Battery Type 3 AAA Alkaline or Ni-Cd

External Jacks SPK, MIC, CHG

Microphone Impedance 1 KOhm

Speaker Impedance 8 Ohms

Dimensions (HWD) 3.3 × 2.2 × 1.1 Inches
(85 × 56 × 28 mm)

Weight (with batteries) 0.275 lbs
(125 g)

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