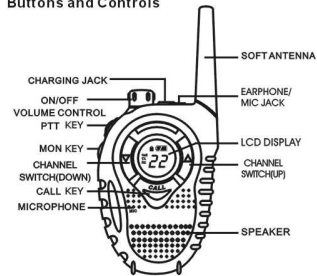


Buttons and Controls



Congratulations

You have just purchased a quality 2 Way Radio. Please follow the operation and care instructions in this User Manual, the communicators will provide you with years of trouble-free service.

Main Screen

1. Key Locked Indicator.
2. Battery Level Indicator.
 - High battery level.
 - Low battery level, battery change is recommended.
3. Call Tone/Transmission (Call) -Shown when calling another unit.
4. Transmit Indicator (TX) -Indicates the unit is transmitting.
5. Receive Indicator (RX) -Indicates the unit is receiving.
6. Channel Number-Display current channel (1 - 22).

Battery Installation

1. Ensure the unit is off. Press the button on the belt clip and rotate it clockwise or counter clockwise for 90°.
2. Open the battery compartment door.
3. Install only 3 X "AAA" batteries according to the anode-cathode signs shown in the battery compartment.
4. Close the battery compartment door. Press and rotate the belt clip to its normal position.



How to Operate

On / Off

- Turn volume knob clockwise, a "tic" sound indicates the unit is ready for use.
- Turn the knob counterclockwise to turn the radio off with a "tic" sound.

Attention: When the volume knob is rotated counterclockwise to a very low volume level, the unit may be switched off before you hear a "tic" sound.

Selecting Channel

- Press or to alter channel.
- Set both units into the same channel for communication.

Call Function

- Press "CALL" once to connect the other unit in the same channel by transmitting call tone.
- There are short calling melodies indicate the starting and ending of transmitting call tone.

Transmitting Message

- Press and hold "PTT".
- Speak into the microphone with a distance 2.5 to 5 cm away from the mouth.
- After finish talking, release "PTT" to receive signal from the other device.

Talk Over Earphone

- Simply plug the earphone into the Earphone Jack. Speak into the microphone by pressing the PTT Button of the earphone.

Volume Control

- Rotate Volume knob clockwise for higher volume.
- For lower volume, vice versa.

Monitoring Function

- Monitoring function is used under weak transmission.
- Press and hold "MON", all signal in the same channel will be received.
- Release "MON" to return to normal status.
- Do not use monitor function under good transmission, otherwise loud noise results.

Key Lock

- Press "CALL" and either or for 3 seconds
- "Bi-bi" sound indicates key locked.
- Repeat the above step for unlock key pad.
- is shown on LCD when key locked.
- When key locked is active, , and do not function while "CALL", "PTT" and "MON" function as normal.

Charging the 2 Way Radio

- Charging time is around 5~6 hours (The standby talking time is around 10~15 hours and battery lasts for 2~3 hours under condition of continuous use.) (Remark: Charging is only in turn-on state, voltage isn't less than 1.0V each battery.)
- Simply plug the charging adaptor into the Charger Jack and then switch on the 2-way radio, the Battery Level Indicator flashes while charging and stop flashing when the battery is fully charged.
- You could still receive signal while charging, however, you could only connect the other unit after the charging is completed. i.e. "CALL" & "PTT" buttons do not function while charging.

Low Battery Alert

- LCD showing flashing icon together with low battery sound alert in every 3 minutes indicate the battery level is low. (At low voltage, turn off immediately if the display is abnormal, to avoid battery leak.)
- Changing or recharging batteries is recommended, or the device does not operate properly. (Refer to Battery Installation.)

Optional Accessories

- Earphone with PTT.
- Rechargeable Batteries.
- Charging adaptor.

Technical Specifications

Channel	22
Operating Frequency	462.5625 - 462.7125MHz 467.5625 - 467.7125MHz 462.5500 - 462.7250MHz
Communication	Up to 3km (2miles)
Power Output	450mW
Power Sources	3 x AAA Alkaline Batteries / Rechargeable Batteries (600mAh)
Battery Life	Alkaline Battery -- 14 Hours (This is the battery life during Two-way Use, i.e. 90% standby time, 5% talk time and 5% receive time.)

FRS 432 Transmit-Receive Frequencies (MHz)

Channel	LCD Display Code	Frequency	Channel	LCD Display Code	Frequency
1	01	462.5625	12	12	467.6625
2	02	462.5875	13	13	467.6875
3	03	462.6125	14	14	467.7125
4	04	462.6375	15	15	462.5500
5	05	462.6625	16	16	462.5750
6	06	462.6875	17	17	462.6000
7	07	462.7125	18	18	462.6250
8	08	467.5625	19	19	462.6500
9	09	467.5875	20	20	462.6750
10	10	467.6125	21	21	462.7000
11	11	467.6375	22	22	462.7250

Safe and Care

- Do not hold the antenna while the radio is in use, or transmissions quality is affected.
- Do not charge non-rechargeable batteries in the product as charging operation can only be performed with supplied rechargeable batteries.
- Your walkie talkie set has been fully adjusted prior to shipment from the factory. Never open your communicator's case or adjust the settings inside the communicator.
- Never change or replace anything in your communicator except the battery.
- Avoid using the unit in hostile environment, such as dusty, humid and high temperature environment.
- To avoid electromagnetic interference and/or compatibility conflicts, turn off your radio in any facility where posted notices instructing you to do so. On board an aircraft, in hospital or health care facilities may be using equipment that is sensitive to external RF energy.
- To clean your radio, use a soft cloth dampened with water. Do not use corrosive chemical solvent, they may harm the body of the unit and leak inside, causing permanent damage.

● Troubleshooting of FRS&GMRS

Problem	Solution
No Power	Reposition or replace batteries.
Message Not Transmitted	Make sure the Push-to-Talk button is completely pressed as you transmit. Reposition or replace batteries.
Message Not Received	Confirm radios have the same channel settings. Make sure Push-to-Talk is not inadvertently being pressed. Reposition or replace batteries. Obstructions operating indoors or in vehicles may interfere with communication. Change your location. Check to make sure volume is enough to hear.
Hearing Other Conversation Or Noise on a Channel	Shared channel may be in use, try another.
Limited Talk Range	Steel/concrete structures, heavy foliage and use in buildings and in vehicles will decrease range, check for clear line of sight to improve transmission. Wearing radio close to body such as in a pocket or on a belt will decrease range, change location of radio.
Heavy Static or Interference	Radios are too close. Radio must be at least 15 feet apart, increase your distance. Radio too far apart. Obstacles interfere with transmission. Talk range is up to 2 miles in clear, unobstructed conditions.