## 1. General Specification

- Power On/Off   : Top
- PTT Key   : Side [Tact SW]
- Monitor Key   : Top
- UP Key   : Top
- Down Key   : Top
- SCAN Key   : Top
- Function Key   : Top
- EXT Mic/Charge Jack[2.5φ]
- EXT Speaker Jack[3.5φ]

2. Function Flow Chart

- F → CHANNEL → BEEP → VOX → PWR Hi/Low → F

3. LCD Display
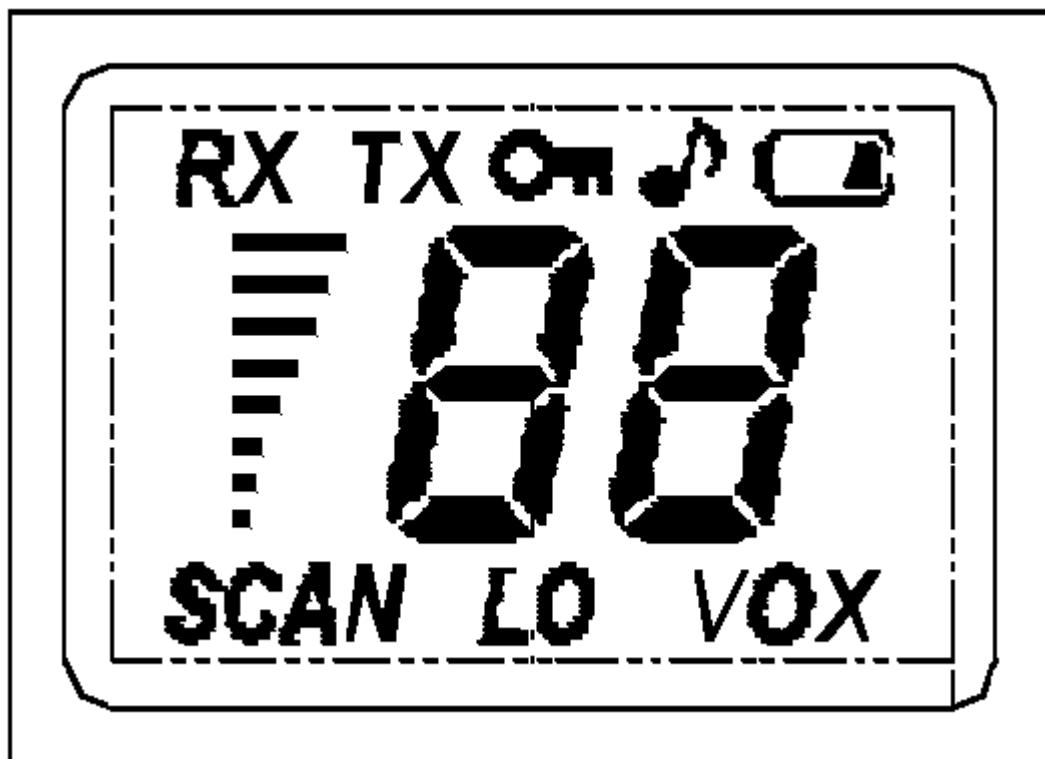
4. Front, Side, Top Overview
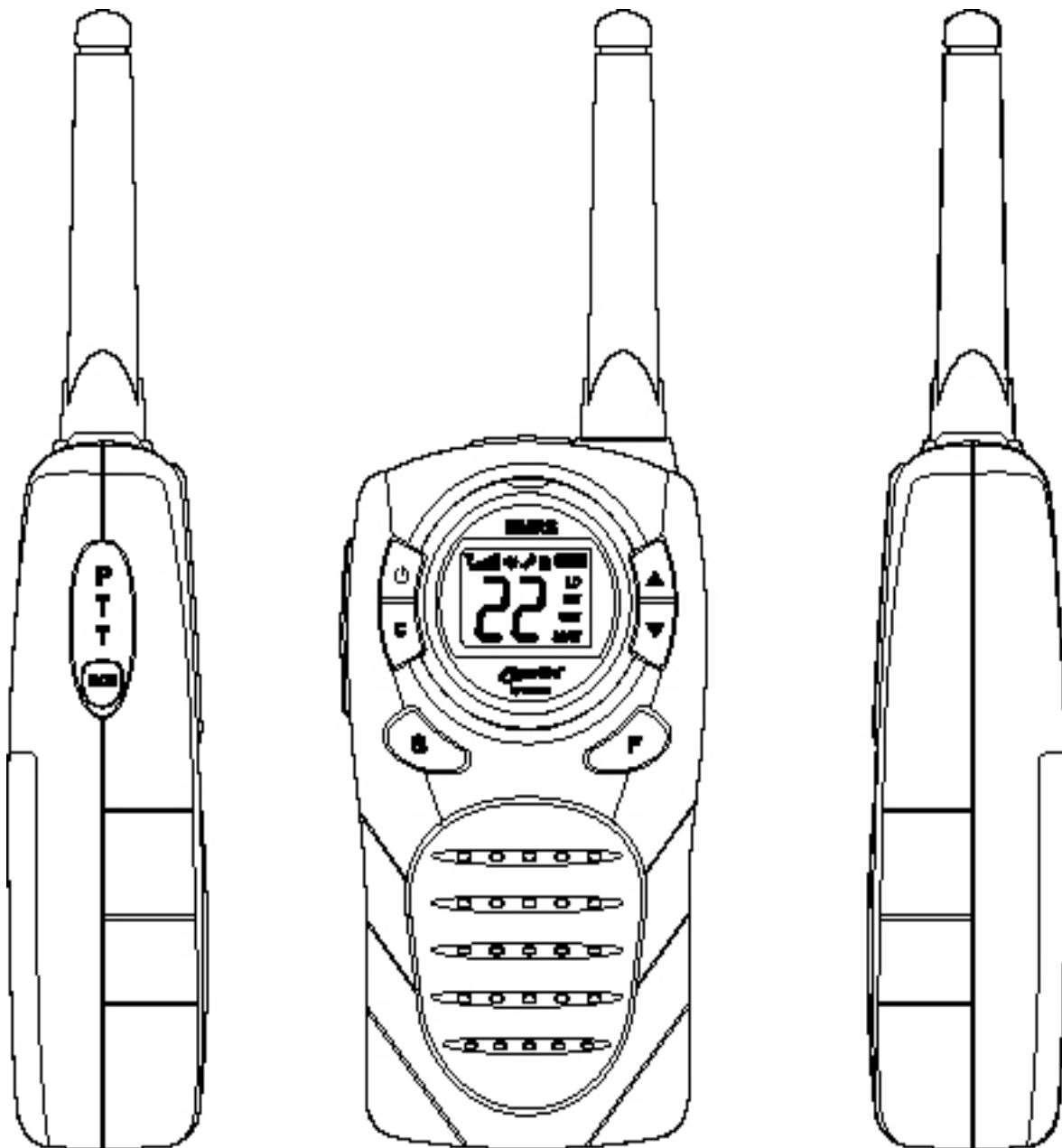
5. Operating Instruction

1) On/Off & Volume control Switch
- **Radio ON** : Press power button. All indicators will appear momentarily on the LCD and you will hear short beep sound.
- **Radio Off** : Press power button all indicators disappear on the LCD.
- **Volume setting** : Press up[▲] or down[▼] button or adjust level that is most comfortable for you.

2) Setting the Channel
GMRS-102B has 22 main channels.
- **To select the channel**
- Press Function[**F**] button once and channel digit will blink on the LCD.
- Press up[▲] or down[▼] button to choose the channel.
- Press the PTT button or Function[**F**] button to confirm

3) Beep AND Roger tone
This feature will give the tone signal to other parties when transmitting finished (when PTT button is released.)
- **To activate or disable the beep tone**
- Press the Function[**F**] button until [**rb on** or **oF**] and the **Roger [♪]** icon blink on the LCD.
- Press the up[▲] button or down [▼] button.
- Press the PTT button or Function[**F**] button to confirm.

4) VOX (Voice Operated Transmission)
This option enables you to have hands-free conversation. You do not have to operate the PTT button each time when you want to transmit.
You can also choose the VOX sensitivity to suit your environment of operation.
(Ex ; noisy road, motor bike, factory etc.)
- **To set the VOX mode.**
- Press the Function[**F**] button until the [**Uo 0** or **x**] appears. **0** is a vox level
- **VOX** icon will be appeared on the LCD.
- Press the PTT button or Function[**F**] button to confirm.

5) Setting the Transmit Power HI/LO
- HI   : 1.5W TX power
- LO   : 500mW TX power
- **To set the TX output power**
- Press the Function[**F**] button until the [**Po LO** or **HI] appears.**

- Press the up[▲] button or down [▼] button to set the TX power
- Press the PTT button or Function[**F**] button to confirm.
- **HO** or **LO** will appear on the LCD.
- If the battery is in low condition, the TX Power will be switched to LO automatically.
- Even though the TX power is set to HI.

6) Transmitting

- Press and hold the PTT button (The "TX" LED will light with red color)
- Speak slowly and clearly
- To stop the transmission, release the PTT button
- If there are no more receiving signal for 5 seconds, the unit will go into power save mode
- and then the "TX" LED will blink with green color.

7) Receiving

The coding feature reduces the possibility of interference and provides enhanced communication.

You can only listen to a call that has correct matching code.

Important ;

Before transmitting or receiving to the other parties ;

- Correct channel is selected (1 to 22)

8) Channel Scanning

This feature allows you to monitor all activated channels while scanning.

- **To activate the Scan**
- Press the Scan[**S**] button
- Radio will begin scanning.
- When in scan mode, the display will show each scanning channel.
- After an activated channel is scanned and received signal and then if there is no more signal, the scan will resume automatically.
- **To disable the Scan**
- Press the Scan[**S**] button, the unit will stop the scanning.
- **SCAN** icon indicator will disappear from the LCD
- The unit will return to home channel.

9) Call

- Press and quickly release the PTT button twice, the TX and TX icons will be displayed on the
- LCD Screen and a CALL TONE will be transmitted for 3~5 seconds.
- (The "TX" LED will light with red color.)

10) Monitoring the channel

It is used for listening the week signal or to hear all activities on the channel by manually overriding channel setting.

● **To activate the Monitor feature**

- Press and hold the Monitor[**Mon**] button.

  (The **monitor**[**RX**] icon will appear on the LCD.)

● **To disable the Monitor feature**

- Press the Monitor[**Mon**] button once.

  (The **monitor**[**RX**] icon will disappear on the LCD.)

11) Keypad Lock

The lock function is to avoid the accidental changes to channel with other radio settings. All buttons will be locked except the Power, PTT and monitor button.

● **To lock the keypad**

- Press and hold down the Scan[**Scan**] button for over 2 seconds.

- Keypad will lock.(**LOCK** icon will appear on the LCD)

● **To unlock the keypad**

- Press and hold down the Scan[**Scan**] button for over 2 seconds.

- Keypad will unlock. (**LOCK** icon will disappear on the LCD)

12) Battery status indicator

The Battery[　　　] icon will blink when the radio is in low battery power.

Charge the rechargeable battery or replace the batteries.

- Full battery   -   Battery[　　　] icon is not displayed.
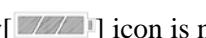
- Low   battery -   Battery[　　　] icon is displayed.

- Low   battery warning – Battery[　　　] icon will blinking.

13) External charger socket

MIC socket can be used for the charging purpose.

It should use the recommended rechargeable battery and wall charger.

14) External Speaker - Mic

Use the approved accessories only to have the optimum performance.

- Ear/Mic unit

Normal Position: Hold the transmitter approximately 1" from your face and speak in a normal voice, with the antenna pointed up and away.

Acknowledging Special Precautions and the FCC Notice Cautions.

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Information

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS : (1) THIS DEVICE MAU NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDERSIRED OPERATION.

Safety Information For GMRS UNIT

Your wireless handheld portable transceiver contains a low power transmitter. When the PTT button is pushed it sends out radio frequency (RF) signals. This 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.

Important: To maintain compliance with the FCC's RF exposure guidelines, hold the transmitter at least 1 inch (2.5 centimeters) from your face and speak in a normal voice, with the antenna pointed up and away. If you wear the handset on your body while using the headset accessory, DO NOT TRANSMIT. The GMRS-102B supplied belt clip is for storage purposes ONLY. Use only the supplied antenna. Unauthorized antennas, modifications, or attachments could damage the transmitter and may violate FCC regulations.

Information to User

This equipment has been tested and found to comply with the limits for a Class B digital device, Pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio Frequency energy and, if not installed and used in accordance with th einstruction, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, whic h can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

> Reorient or relocate the receiving antenna.

> Increase the separation between the equipment and receiver

> Connect the equipment into an outlet on a circuit different from that to which the
 receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.