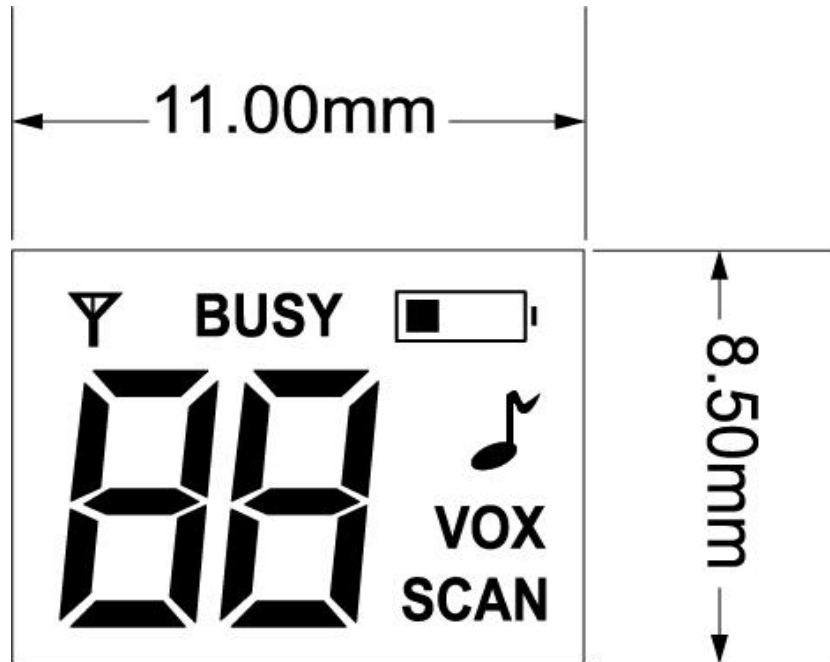


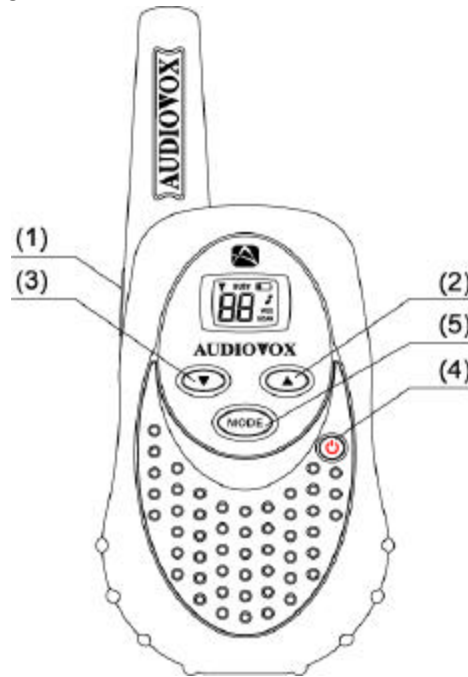
3. OPERATION

3.1 ICONS on LCD



- 1) Roger On/Off indicator : Appears while Roger tone is in use.
- 2) Battery indicator : Indicates the battery status
- 3) Receive signal indicator : Appears when receiving signal or squelch noise is existing.
- 4) Channel readout : Shows the current channel number.
- 5) SCAN indicator : Indicates that scan is enabled
- 6) VOX (Voice Activated Transmit) Indicator : Turning on the power while pressing PTT button activates VOX function.
- 7) Receive indicator : when receiving an incoming signal.
- 8) Transmit indicator : when the PTT button is pressed.

3.2 Key Function



- 1) PTT/ CALL key : Pressing and holding this button will allow you to speak to any transceiver that is set to the same channel setting as yours. The PTT Button can also be used as a two-way call ringer. Pressing the button twice quickly will call another party on the same channel.
- 2) Up key : In the standby mode, Pressing this button will increment the listening volume. When in function edit mode this button will be used to adjust the unit's setting.
- 3) Down key : In the stand by mode, Pressing this button will decrement the listening volume. When in function edit mode this button will be used to adjust the unit's settings.
- 4) Power/Scan key: This button is used to power on/off and scan on/off. To turn the unit on, press and hold the power on/off button for at least 2 seconds. You will hear a confirming melody to indicate the unit is on. To turn the unit off, press and hold the button for at least 2 seconds. To turn the SCAN on, press and hold the power on/off button for at least 1 second. You will hear a confirming tone to indicate the SCAN on. To turn the SCAN off, press and hold the button for at least 1 second.
- 5) Mode (Function) key : This button is used to select the GMRS feature settings such as Channel selection, Roger beep on/off and VOX on/off. To set the channel and roger beep, press the VOX /F button within 1 second, To enable the VOX on/off, Press the VOX /F button for 2 seconds.

3.3 Function display



Transmit Indicator: Icon appears when the PTT button is pressed.

BUSY

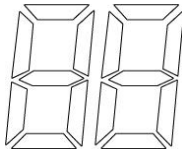
Receive Indicator: Icon appears when receiving an incoming signal.



Low Battery Indicator: Icon indicates the low battery.



Roger Beep Tone On/Off Indicator: Icon appears when the roger beep tone is selected. Icon disappears when tone is off.



Segment Display: Indicates the channel number in use.

SCAN

Scan Indicator: This function allows users to scan a channel to search for a valid signal.

VOX

Voice Activated Transmission (VOX) Indicator: This function allows handsfree conversation. The Icon appears when the VOX mode is activated.

3.4 SETTING AND OPERATION

In order to communicate with other GMRS/FRS units, both you and the receiving party must be on the same channel.

GMRS-120 has 22 channels indicated by the large digits on the LCD display panel. Before trying to transmit on the selected channel.

1) On/Off & Volume control Switch

Radio ON : Press the power button at least for 2 seconds. You will hear confirming melody to indicate the unit is on.

Radio OFF : Press the power button at least for 2 seconds.

Volume setting : Press up[▲] or down[▼] button to adjust a level that is most comfortable for you while monitor is active.

2) Setting the Channel

GMRS-120 has 22 main channels.

* 22 Frequency channels

To select the channel

* Turn the radio on.

* Press MODE button once, [XX] digit will blink on the LCD. XX is a channel.

* Press up[▲] or down[▼] button to choose the channel.

* Press the PTT button or MODE button to confirm.

3) VOX (Voice Operated Switching)

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 so suit your environment of operation.

(Ex : noisy road, motor bike, factory etc.)

To Set the VOX mode

* Long Press the MODE button until the [Uo oF Or oN] appears.

* VOX icon will be appeared on the LCD.

4) 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 Roger tone

* Press the Mode 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 MODE button to confirm.

5) Transmitting

- * Press and hold the PTT button, the  indicator ON.
- * 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.

6) Receiving

The Coding feature reduce the possibility of interference and provide enhanced Communication. You can only listen to a call that has correct matching code.

- *Upon receiving a signal, the BUSY indicator ON.

Important :

Before transmitting or receiving to the other parties

- * Correct channel is selected (1 to 22) and

7) Channel Scanning

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

To activate the Scan

- * Short Press the **Power key** 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

8) Call

- * Click the PTT button twice quickly.

9) Battery status indicator

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

- * Low battery Warning – one segments will brinking.

10. CHANNEL DATA

1) GMRS Frequency Chart

Main Channel Frequencies:

Channel	Frequency(MHz)	Channel	Frequency(MHz)
1	462.5625	12	467.6625
2	462.5875	13	467.6875
3	462.6125	14	467.7125
4	462.6375	15	462.5500
5	462.6625	16	462.5750
6	462.6875	17	462.6000
7	462.7125	18	462.6250
8	467.5625	19	462.6500
9	467.5875	20	462.6750
10	467.6125	21	462.7000
11	467.6375	22	462.7250

NOTE: Channels 1 through 7 are shared between GMRS and FRS radios.

The channel number 20 is used for emergency channel.

[RF EXPOSURE STATEMENT : PDHGMRS120 / TTI TECH CO., LTD.]

- CAUTION! -

IMPORTANT SAFETY INFORMATION

Your wireless hand-held portable transceiver contains a radio frequency transmitter. When the PTT button is pushed, the transmitter sends out RF signals. The device is authorized to operate at a transmit duty factor not exceeding 50% using alkaline "AAA" size batteries to comply with Federal Communications Commissions (FCC) RF exposure safety level guidelines for hand-held wireless devices.

This device has been tested for SAR (SPECIFIC ABSORPTION RATE) and has been found to meet the requirements for body-worn transceiver. If you wear the radio, always use the manufacturer-supplied belt clip. Use of non-manufacturer-approved accessories may exceed the FCC RF exposure guidelines. To maintain compliance with the FCC'S RF exposure guidelines, hold the transceiver at least 1 inch (2.5 centimeters) from your face and speak in a normal voice, with the antenna pointed up and away. Unauthorized antennas, modifications, or attachments could damage the transceiver and may violate FCC regulations.

GMRS License :

Use of GRMS radios within the United States requires a FCC GMRS license. An individual of 18 years of age or older, who is not a representative of a foreign government is eligible to apply for a GMRS system license. You will need two forms from the FCC - FCC FORM 159 and FCC Form 605 Main Form and Schedule F.

You can find the forms online at <http://www.fcc.gov/formpage.html> or call 1-800-418-3676.