

Safety Information For UNIT

Your wireless handheld portable transceiver contains a low power transmitter.

When the Push-to Talk (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 Note: To maintain compliance with the FCC's RF exposure guidelines, hold the transmitter and antenna at least 1 inch (2.5 centimeters) from your face and speak in a normal voice, with the antenna pointed up and away from the face.

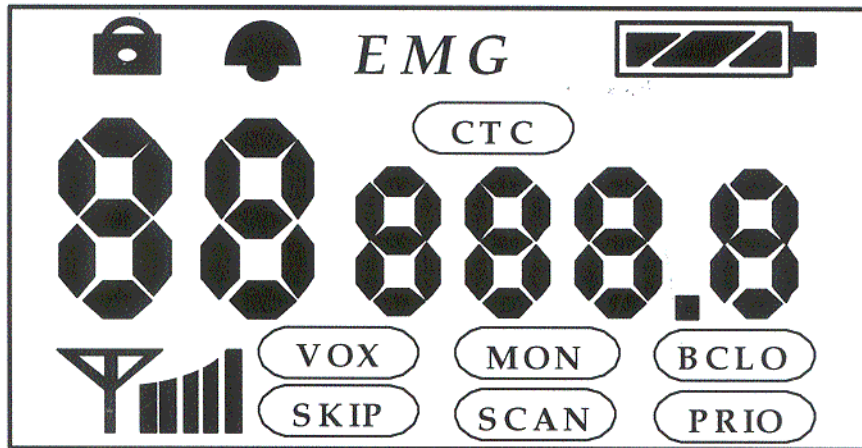
If you wear the handset on your body while using the headset accessory, use only the manufacturers supplied belt clip for this product and ensure that the antenna is at least 1 inch (2.5 centimeters) from your body when transmitting.

Use only the supplied antenna. Unauthorized antennas, modifications, or attachments could damage the transmitter and may violate FCC regulations.

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 UNDERSIRED
OPERATION.

3. OPERATION

3.1 ICONS on LCD



- 1) Key lock indicator : Indicates that the key lock function is in use.
- 2) Receive signal indicator : Appears when receiving signal or squelch noise is existing.
- 3) Monitor indicator : Appears when the CTCSS isn't in use and squelch is open.
- 4) Emergency channel indicator : Indicates while receiving a emergency channel.
- 5) Scan indicator : Indicates that scan is enabled.
- 6) CTCSS indicator : Appears when the CTCSS function is in use.
- 7) Priority scan indicator : Indicates that the priority scan function is in use.
- 8) Beep ON/OFF indicator : Appears while key tone is in use.
- 9) Battery indicator : Indicates the battery status
- 10) CTCSS readout : Shows the operating CTCSS frequency or code.
- 11) BCLO (Busy Channel Lock Out) Indicator : Appears to inhibit transmitting whenever there is another conversation is on the channel.
- 12) VOX (Voice Activated Transmit) Indicator : Turning on the power while pressing PTT button activates VOX function.
- 13) Channel readout : Shows the current channel number.
- 14) Skip channel indicator : Appears when a non-select scan channel is selected.

COBRA ELECTRONICS CORP.

FCC ID : BBOPR900DX

JOB # : 432AK1

EXHIBIT # : 6A-106

3.2 Key Function

- 1) Volume controls : Turn the power on and adjusts the audio level.
- 2) PTT switch : Push and hold to transmit ; release to receive.
- 3) Monitor / Lamp Key : Press and hold this key for over 2 seconds to enable the receive CTCSS feature. And Push this button momentarily to switch on for off the LCD back-lighting.
- 4) Channel Up/Down key : Push to select the operating channel Push and hold to change the current channel rapidly.
- 5) Mode (Function) key : Push to select the following function setting mode.

Brief press mode : 1'st press -- CTCSS 2'nd press -- VOX level ,
3'rd press -- Scan skip list 4'th press -- Beep ON/OFF,
5'th press -- BCLO ON/OFF 6'th press --Priority channel
7'th press -- Squelch level.

- Long press mode : Function setting mode continuously
- 6) Scan / Lock key : Push this key to momentarily to enable or disable the scan. Press and hold this key for over 2seconds to lock or unlock keypad.
 - 7) Emergency Channel key : Push this key to momentarily change to emergency channel (462.6750Mhz).
 - 8) Speaker / Microphone
 - 9) External DC power jack : Connect a 4.8 to 6.5V DC power source with the cable to the GCH-120NC wall charger for charging.
 - 10) LCD (Liquid Crystal Display)
 - 11) Transmit indicator : Light red while transmitting.
 - 12) External speaker/mic jacks : Connect an optional speaker/mic or headset, if desired. The internal mic and speaker will not function when either is connected.

2) Function display



1) **Key lock indicator** : Indicates that the key lock function is in



2) **Receive signal indicator** : Appears when receiving signal or squelch noise is existing .



3) **Monitor indicator** : Appears when any CTCSS isn't in use and squelch is open.



4) **Emergency Channel indicator** : Appears when emergency channel is in use.



5) **Scan indicator** : Indicates that scan is enabled.



6) **CTCSS indicator**: Appears when the CTCSS function is in use.



7) **Priority scan indicator** : Indicates that the priority scan function is in use .



8) **Beep ON/OFF indicator** : Appears while key tone is in use.



9) **Battery indicator** : Indicates the battery status.



10) **CTCSS Frequency readout** : Shows the operating CTCSS frequency.



11) **BCLO (Busy Channel Lock Out) Indicator** : Appears to inhibit transmitting whenever there is another conversation on the channel.



12) **VOX (Voice Activated Transmit) Indicator** : Turning on the power while pressing PTT button activates VOX function.



13) **Skip channel indicator** : Appears when a non-select scan channel is selected.



14) **Channel readout** : Shows the current channel number .

3-3. SETTING AND OPERATION

1) Basic Channel Selection

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

PR-900 has 15 channels indicated by the large digits on the LCD display panel. Before trying to transmit on the selected channel, you should press the Monitor Button to check the activity on that channel. If someone is already on the selected channel, you should try another channel that is clear

To change the basic channel,

- In the standby mode, press the **Up Button** briefly to move to the next higher main channel number.
- Press the **Down Button** briefly to move to the next lower main channel number.

2) Sub Channel Selection

CTCSS (Continuous Tone Coded Squelch System) with 38 Sub-Frequency. This feature allows you to utilize a less used channel range (00 ~ 38) within a main channel.

This enables you to communicate with another party on the same main Channel using the same sub-code.

This helps to avoid congestion on the main channel and filters out unwanted Noise and static.

There are **38 CTCSS** Sub-channels for each main channel.

To change the CTCSS Sub-channel,

- Press the Mode Button until the Icon (**CTC**) appears in the LCD panel.
- Press the **Up Button** or **Down Button** to choose the desired **sub-channel** to use.
- The corresponding sub-code frequency will be displayed in the lower right corner.
- Press the **PTT Button** to confirm your selection.

NOTE : To communicate with other GMRS units, they must be switched to the same channel and CTCSS sub-code. To communicate with other GMRS units that do not have sub-codes, switch your unit

to the same channel with the sub-code set to OFF.

3) Auto Channel Scan List Selection Mode

This feature allows you to scan for an active channel and communicate with the party transmitting.

To access the Auto Channel Scan Skip List menu,

- Press the **Mode** Button until the Icon (**SKIP**) blinks on the LCD panel.
- Press the **Up Button** to choose the desired **Scan access channel**, or **Down Button** to choose the desired **Scan skip channel**.
- Press the **PTT Button** to confirm your selection.
- The unit will begin scanning for an active main channel.

4) Priority Scan Channel Selection Mode

This feature allows you monitor one special channel and all scan channels at the same time. If you pre-set any priority channel other than the current channel in use, the pre-set channel will be scanned every 0.5 second and signals you when a call is received.

To access the Priority Scan menu,

- Press the **Mode button** until the (**PRIO**) icon blinks on the LCD panel.
- Press the **Up button** or **Down button** to select the desired channel number You wish to closely monitor.
- Press the **PTT button** to confirm your selection.
- To turn off the Priority Scan feature while scanning mode, simply press the **Scan button** once.

5) VOX Selection Mode

The Voice Activated Transmission (VOX) function allows your voice to activate transmission automatically when the Communicator is used with the optional hands-free mic/head-set (refer to enclosed Accessory Order Form). It also allows hands-free use when a mic/head-set is not being used without having to the PTT button.

To access the VOX Selection menu,

- Press the **Mode button** until the VOX icon blinks and (**Vo 01**) appears on the LCD Panel.
- Press the **Up button** or **Down button** to select from **01 ~ 10** Voice Level.
- 01 ~ 10 Level setting determines VOX response sensitivity.

- Press the **PTT button** to confirm your selection.
- To turn on the VOX feature, press **PTT button + Power ON**.
- To turn off the VOX feature, Power ON again

6) Auto Key Lock Selection Mode

This feature prevents accidental channel change and disturbance to the preferred settings of the communicator. Auto Key Lock temporarily disables Up, Down and PTT button.

To access the Auto Key Lock selection menu,

- Press and hold the Scan button for over 2 seconds to Lock or Unlock the Key except PTT and On/Off switch.

7) BCLO (Busy Channel Lock Out) Selection Mode

This feature inhibit transmitting whenever there is another conversation is on the same channel.

To access the Busy Channel Lock Out selection menu,

- Press the **Mode button** until the **BCLO** icon blanks on the LCD panel
- Press the **Up button** or **Down button** to select the BCLO ON/OFF option.
- Press the PTT button to confirm your select.

8) Call Ringer Selection Mode

This feature provides 5 user selectable call ringer signal to alert you of a calling party.

To select your favorite call ringer signal.

- Press **Emergency button + Power ON**. Appears the (C 01) icon blanks on the LCD panel.
- Press the **Up button** or **Down button** to preview the 5 available signal..
- Press the **PTT button** to confirm your selection.
- To quickly activate the Call , Simply press **PTT button 2 time click**.

9) TOT(Time Out Timer) Selection Mode

This feature is sometimes necessary or desirable to restrict a single transmission to a specific maximum times.

This feature can be useful when particularly trying to conserve battery Power.

To access the Time Out Timer selection menu,

- Press **Mode button + Power ON** . Appears the (T OFF) on the LCD panel

- Press the **Up button** or **Down button** to select the 30sec,60sec,180sec or Off .
- Press the **PTT button** to confirm your selection.

10) Emergency Channel Mode

The Emergency Channel can be used to special frequency (10Channel : 462.6750Mhz) within your transceiver. No matter what mode the transceiver is in, the, Emergency Channel always can be Selected quickly.

To access the Emergency Channel mode,

- Press **Emergency button** . Appears the (**EMG**) and **10 channel** readout on the LCD panel.
- To turn off the Emergency Channel feature while Emergency Channel mode, simply press the **Emergency button** once.